
Van: (10)(2e)
Verzonden: donderdag 25 juni 2020 15:37
Aan: '(10)(2e) @nrc.nl' <(10)(2e)@nrc.nl>
Onderwerp: Vragen over dashboard

Dag (10)(2e)

Om terug te komen op je vragen; hieronder vind je de passage over het dashboard uit de meest recente Kamerbrief. Dit is de laatste stand van zaken. Dus voor volgende week vrijdag is de eerste operationele versie van het dashboard gereed. Daar zitten dan ook de rioolwatergegevens in. Zie ook het persbericht dat we afgelopen dinsdag hebben uitgedaan: <https://www.rijksoverheid.nl/actueel/nieuws/2020/06/23/tests-op-corona-bij-alle-rioolwaterzuiveringsinstallaties-in-nederland>.

Wat betreft de signaalwaarden en hoe die tot stand zijn gekomen zie de Kamerbrief van half mei: <https://www.rijksoverheid.nl/documenten/kamerstukken/2020/05/20/kamerbrief-stand-van-zaken-covid-19>

Als je nog meer vragen hebt, weet je me te vinden.

Groeten (10)(2e)

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(11)(1)

Volgende pagina verwijderd wegens concept

Van: (10)(2e)
Aan: (10)(2e)
Cc: (10)(2e); (10)(2e); (10)(2e); (10)(2e) 2e)
Onderwerp: Over het dagelijks publiceren van het Reproductiegetal door het RIVM
Datum: woensdag 3 juni 2020 10:38:44

Hoi (10)(2e)

Gisteren tijdens de presentatie van het dashboard kwam op dat het RIVM dagelijks het Reproductiegetal wil publiceren. Uit het gesprek zojuist met het RIVM werd duidelijk waar dit misverstand op is gebaseerd: het RIVM komt dagelijks om 14u00 met een update met de laatste stand van zaken. In deze update wordt ook het reproductiegetal genoemd, alleen verandert die wekelijks van waarde en niet dagelijks: het RIVM noemt dus 7 dagen lang hetzelfde getal.

Ook het aantal besmettelijke personen (een nieuw cijfer) en de verpleeghuiscijfers zullen vanaf nu in deze dagelijkse update worden genoemd; daarmee zijn deze indicatoren open data en kunnen ze worden gebruikt als input voor het dashboard.

Vriendelijke groeten van Valentin

(10)(2e)
Ministerie van Volksgezondheid, Welzijn en Sport (VWS)
Directie MEVA/Algemeen Economisch Beleid, cluster Strategie en Kennis
Postbus 20350, 2500 EJ, Den Haag
Bezoeksadres: Parnassusplein 5, 2511 VX, Den Haag
T: + (10)(2e) E: (10)(2e) @minvws.nl
M: +31 (0) (10)(2e) LinkedIn (10)(2e)

Van: (10)(2e)
Aan: (10)(2e)
Cc: (10)(2e); (10)(2e); (10)(2e); (10)(2e) 2e); Dees,
 (10)(2e)
Onderwerp: RE: Over het dagelijks publiceren van het Reproductiegetal door het RIVM
Datum: woensdag 3 juni 2020 10:47:36

Hi (10)(2e)

Dank voor de opheldering, maar volgens mij is het besluit om de R0 van die week vanaf nu mee te nemen in de 14:00 update van het RIVM nog steeds nieuw toch? Dat lijkt me onverstandig. Journalisten zullen hier op aanslaan en zich afvragen waarom we dit niet eerder hebben gedaan. En straks hebben we het dashboard waarin die R0 gewoon zit.

Ook over het opnemen van de verpleeghuiscijfers zijn wij al langer in gesprek met het RIVM. Wij hebben daar communicatieve bezwaren tegen. Dit moet op z'n minst even gewogen worden in het afstemmingsoverleg en kan dus niet zomaar veranderd worden door het RIVM. Laat jij hen dat weten?

Groeten (10)(2e)

Van: (10)(2e) <(10)(2e)@minvws.nl>
Verzonden: woensdag 3 juni 2020 10:39
Aan: (10)(2e) <(10)(2e)@minvws.nl>
CC: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) 2e)
 <(10)(2e)@minvws.nl>

Onderwerp: Over het dagelijks publiceren van het Reproductiegetal door het RIVM

Hoi (10)(2e)

Gisteren tijdens de presentatie van het dashboard kwam op dat het RIVM dagelijks het Reproductiegetal wil publiceren. Uit het gesprek zojuist met het RIVM werd duidelijk waar dit misverstand op is gebaseerd: het RIVM komt dagelijks om 14u00 met een update met de laatste stand van zaken. In deze update wordt ook het reproductiegetal genoemd, alleen verandert die wekelijks van waarde en niet dagelijks: het RIVM noemt dus 7 dagen lang hetzelfde getal.

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Vriendelijke groeten van (10)(2e)

(10)(2e)
 Ministerie van Volksgezondheid, Welzijn en Sport (VWS)
 Directie MEVA/Algemeen Economisch Beleid, cluster Strategie en Kennis
 Postbus 20350, 2500 EJ, Den Haag
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 T: +31 (0) (10)(2e) E: (10)(2e)@minvws.nl
 M: +31 (0) (10)(2e) LinkedIn (10)(2e)

Van: (10)(2e) 2e)
Aan: (10)(2e); (10)(2e)
Cc: (10)(2e); (10)(2e); (10)(2e)
Onderwerp: RE: Persbericht dashboard
Datum: donderdag 4 juni 2020 19:55:58

(10)(2e) zie hieronder het persbericht.

Van: (10)(2e) <(10)(2e)@minvws.nl>
Verzonden: donderdag 4 juni 2020 15:46
Aan: (10)(2e) 2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>
CC: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>
Onderwerp: RE: Persbericht dashboard

Klopt (10)(2e) Thanx
 (10)(2e) met aan de lijn. Hij kijkt nog even mee. Op het precieze getal #besmettelijken.
 Wij sluiten nu 100% aan op RIVM tekst op pag 26.
 Dus we bereiden alles er op voor dat dit de tekst is en dat we op die 1715 uitkomen.
 Als dat tijdens dinerpauze niet juist blijkt (om welke reden ook), dan kunnen we het niet meer
 aanpassen en dan gaan we dus niet live.

Grt (10)(2e)

Van: (10)(2e) 2e) <(10)(2e)@minvws.nl>
Verzonden: donderdag 4 juni 2020 15:31
Aan: (10)(2e) <(10)(2e)@minvws.nl>
CC: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>
Onderwerp: RE: Persbericht dashboard

Hi (10)(2e)

Weet niet of je al reactie hebt van de minister. Het 'aantal besmettelijke mensen' is vanmiddag
 door het rivm gecommuniceerd en zal dus onderdeel maken van het dashboard (verzoek
 minister). Het kan dus in dit persbericht blijven. Liever zelf iets zeggen erover dan verborgen
 brengen. Tenzij de minister in zijn reactie op het persbericht iets anders zegt natuurlijk.

Groet! (10)(2e)

Van: (10)(2e) 2e)
Verzonden: donderdag 4 juni 2020 13:56
Aan: (10)(2e) <(10)(2e)@minvws.nl>
CC: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)
 <(10)(2e)@minvws.nl>
Onderwerp: FW: Persbericht dashboard

Hoi (10)(2e)

Zie hieronder. De lange tekst, dat is het persbericht. De korte tekst is voor Twitter.

Het bericht ligt voor bij de minister. Commentaar van Torentje is nog niet verwerkt, dus de

indicator 'aantal besmettelijke mensen' staat nog in deze versie.

Groet namens (10)(2e) (cc),
(10)(2e)

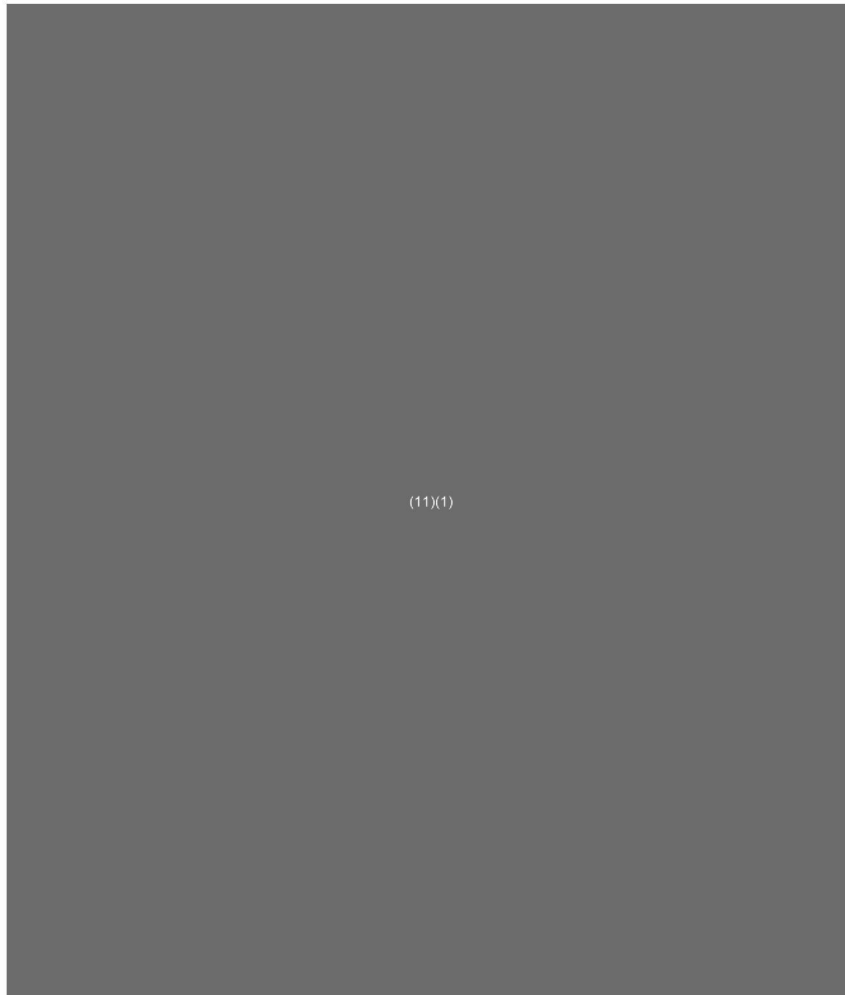
Van: (10)(2e) <(10)(2e)@minvws.nl>

Verzonden: donderdag 4 juni 2020 13:51

Aan: (10)(2e) 2e <(10)(2e)@minvws.nl>

Onderwerp: FW: Persbericht dashboard

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Volgende pagina verwijderd wegens blanco

Van: (10)(2e)
Aan: (10)(2e)
Onderwerp: Fwd: Aanpassen verpleeghuisdata
Datum: zondag 7 juni 2020 19:29:06

Verstuurd vanaf mijn iPhone

Begin doorgestuurd bericht:

Van: (10)(2e) <(10)(2e)@braxwell.com>
Datum: 6 juni 2020 om 16:29:05 CEST
Aan: (10)(2e) <(10)(2e)@kpmg.nl>,
 "(10)(2e)@kpmg.nl" <(10)(2e)@kpmg.nl>,
 "(10)(2e)@kpmg.nl" <(10)(2e)@kpmg.nl>
Kopie: "(10)(2e)@amsterdam.nl", (10)(2e)
 <(10)(2e)@intermin.nl>, "(10)(2e)@rivm.nl"
 <(10)(2e)@rivm.nl>, "(10)(2e)@minvws.nl">
Onderwerp: Aanpassen verpleeghuisdata

Hoi (10)(2e)

In de call van vanmiddag hebben we vastgesteld dat de verpleeghuisdata aangepast moet worden. Dit kan na het weekend, maar graag zsm op maandag aangepast worden.

Hierin negeren we de laatste rij in de tabel, van de huidige dag. De lastupdate blijft wel staan op vandaag. Doordat we de huidige dag nu publiceren, tonen we nu steevast een te laag cijfer.

Dit geldt zowel voor 'Aantal positief geteste bewoners' als voor 'Sterfte'

Voor alle duidelijkheid, met als voorbeeld het bestand voor 'Aantal positief geteste bewoners' dat vandaag is gestuurd:

Bestand Totalen_VPH_bewoners_per_meldingsdatum_20200606_1025.csv van 6 juni:

...	
2-6-2020	4
3-6-2020	4
4-6-2020	17
5-6-2020	15
6-6-2020	0

Als we deze data vandaag hadden gebruikt volgens de gewenste verwerkingsmethode komt daar uit:

- Huidige waarde: 15

Laatste update: 6 juni

- De trendweergave loopt tot en met 5 juni, met 15 als laatste waarde voor 5 juni

Voor sterfte geldt dit hetzelfde:

Data:

	..	
2-6-2020		3
3-6-2020		2
4-6-2020		4
5-6-2020		2
6-6-2020		0

- Huidige waarde: 2
- Laatste update: 6 juni
- De trendweergave loopt tot en met 5 juni, met 2 als laatste waarde voor 5 juni

Als dit nog onduidelijk is kunnen we dit maandagochtend verder bespreken in onze call om 8:30

Gr (10)(2e)

To: (10)(2e) <(10)(2e)@rivm.nl>
From: (10)(2e)
Sent: Wed 7/15/2020 10:51:25 AM
Subject: FW: Euro Surveillance test performance paper - Final review round, due by Fri 17 July
Received: Wed 7/15/2020 10:51:25 AM
[Performance paper.docx](#)
[For reference only.docx](#)
[Performance paper - Supplementary Tables.xlsx](#)

Gewoon doorsturen en vragen of ze zelf rechtstreeks aan ECDC willen antwoorden. Als ze weten dat directe collega's op vakantie zijn vragen of ze daarmee contact kunnen opnemen of voor hun kunnen antwoorden.

Grtz (10)(2e)

From: (10)(2e) <(10)(2e)@ecdc.europa.eu>
Sent: woensdag 15 juli 2020 10:06
To: (10)(2e) <(10)(2e)@rivm.nl>; (10)(2e) <(10)(2e)@rivm.nl>
Cc: (10)(2e) <(10)(2e)@ecdc.europa.eu>
Subject: RE: Euro Surveillance test performance paper - Final review round, due by Fri 17 July

Dear (10)(2e)

Can you forward this to the Dutch co-authors as before and forward back their replies? Please let me know if you want to discuss any issues on how best to handle this review round, I know it is short notice and I hope there will not be issues with that.

Kind regards,

(10)(2e)



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 Disease Prevention and Control (ECDC)**
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Follow ECDC on:



From: (10)(2e) <(10)(2e)@ecdc.europa.eu>
Sent: 15 July 2020 10:01
To: (10)(2e) @itg.be; (10)(2e) @uzleuven.be; (10)(2e) @uzleuven.be; (10)(2e) @mphs.moh.gov.cy;
 (10)(2e) @thl.fi; (10)(2e) @thl.fi; (10)(2e) @thl.fi; (10)(2e) @thl.fi; (10)(2e) @chu-lyon.fr; (10)(2e) @pasteur.gr;
 (10)(2e) @pasteur.gr; (10)(2e) ((10)(2e) @bfm.hr) <(10)(2e) @bfm.hr>; (10)(2e) @ins.etat.lu;
 (10)(2e) @ins.etat.lu; (10)(2e) @ins.etat.lu; (10)(2e) @rivm.nl; (10)(2e) @rivm.nl;
 (10)(2e) @wihe.pulawy.pl; (10)(2e) @wsse.waw.pl; (10)(2e) @interia.eu; (10)(2e) @wsse.waw.pl;
 (10)(2e) @gmail.com; (10)(2e) @pzh.gov.pl; (10)(2e) @pzh.gov.pl; (10)(2e) @pzh.gov.pl; (10)(2e) @insa.min-
 saude.pt; (10)(2e) @insa.min-saude.pt; (10)(2e) @insa.min-saude.pt; (10)(2e) @sll.se; (10)(2e) @sll.se;
 (10)(2e) @nlzoh.si; (10)(2e) @nlzoh.si
Cc: (10)(2e) <(10)(2e)@ecdc.europa.eu>; (10)(2e) <(10)(2e)@ecdc.europa.eu>; (10)(2e)
 <(10)(2e)@ecdc.europa.eu>; PHE Support.Microbiology <(10)(2e)@ecdc.europa.eu>
Subject: Euro Surveillance test performance paper - Final review round, due by Fri 17 July

Dear co-authors,

After incorporating your comments on the second review round early July, the paper is now ready for its third and final review round by **Friday 17 July EOB**. Our apologies for the short notice, but we want to avoid issues with people going on holiday and in this third round no major issues are expected anymore.

The following main changes have been done:

- The author list has been finalised and all remaining authors have contributed and verified their data.
- All 117 papers from the systematic review have now been assessed and their data included. Substantially more detail was added on how papers were selected. A verification round performed by ECDC on this assessment is in progress and will be finalised in parallel with this review round. This may result in some changes but unlikely in any conclusions.
- The total number of index test results (contributed by you/from public sources) is currently 39439 (13919/25520) for reference test positive samples (sensitivity panel), and 45804 (14934/30870) for reference test negative samples (specificity panel). With the current exclusions for sensitivity and specificity panels for the public sources, pending verification and before further exclusion based on ≤ 10 dpo for Ab tests, this drops to around 83% and 90% of the total.
- Supplementary tables 2 and 3, i.e. the study list and all performance results are included. These contain the unpublished data from all co-authors and may not be shared with other people.
- References were added.

Attached you will find the paper to review, with all non-contentious tracked changes accepted and corresponding (green) comments removed. Only tracked changes and (yellow) comments that are likely to require further review are included. As before, a version with all tracked changes and comments is attached as well for reference.

You should do the following:

- Review the paper a final time, with particular emphasis on yellow comments and tracked changes. All changes should be tracked.
- **Add your consent for submitting the paper preferably now already**, in the last column of the author table at the beginning of the document, to avoid delays due to holidays. This can be done after review round 3 as well in particular if you think important points need to be addressed first, but please let us know if you will be unavailable in the near future. If one of your direct colleagues is on leave at present and not back before 20 July, please try to contact them if possible for this consent or provide it on their behalf if you think this is ok.
- If not done yet, add your **CRedit** (Contributor Roles Taxonomy) statement in the author table at the beginning. A default (investigation, data curation, writing-review) has been put in place for now and will be considered final unless changed. Some tracked changes were also made to existing statements to ensure consistency across authors and using the CRedit terminology.
- If not done yet, add any funding and declaration of interest.
- Add any references you think are appropriate, at least one still needs to be added.
- Verify at least one aggregated sensitivity and specificity result from supplementary Table S3 for correctness. Choose one for which at least two studies were used. If you find an issue, please reply to me asap. The supplementary tables are inside an Excel file embedded into the Word document, and attached as well.

After this review round, comments will be incorporated as before and the paper will be sent for internal clearance at ECDC as per our procedures. We will keep you up to date on the progress with that. In the meantime, please do not hesitate to contact me if there are immediate issues.

Kind regards,

(10)(2e)

(10)(2e)
PhD
Expert Public Health Bioinformatics
Surveillance, PHF
Room number (10)(2e)



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Category	Population	Test	Target	Countries	N	Sensitivity	Source
Ab (ELISA)	hospitalised	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 IgM ELISA	IgM	CN, NL	345	94.5 (91.6-96.4)	2, 59, 137
Ab (ELISA)	hospitalised	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	total Ab	CN, DK, NL	1109	98.8 (98.0-99.3)	2, 49, 59, 137
Ab (ELISA)	hospitalised	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	IgA	BE, DK, FR, GR, IT, NL	264	97.0 (94.1-98.5)	2, 49, 54, 102, 105, 120
Ab (CLIA)	unk	Abbott, SARS-CoV-2 IgG assay for Architect	IgG	FI, FR, SE, UK, US	290	96.6 (93.8-98.1)	1, 32, 83, 108, 118
Ab (ELISA)	unk	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	IgG or IgA	AU, FR	137	98.5 (94.8-99.6)	5, 83
NAT	unk	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	BE, CY, FR, NL, SE	110	99.1 (95.0-99.8)	69, 96, 103, 126, 143

Category	Test	Target	Countries	N	Specificity	Source
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	IgG	BE, FI, FR, NL, SE, UK, US	3020	99.8 (99.5-99.9)	1, 2, 22, 32, 83, 106, 108, 118
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 IgM ELISA	IgM	CN, NL	810	98.4 (97.3-99.1)	2, 59, 137
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	total Ab	CN, DK, NL	1768	99.5 (99.0-99.7)	2, 49, 59, 137
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	IgG	NI, SE	871	96.7 (95.3-97.7)	2, 32
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	IgG or IgM	BE, DK, SE	248	97.6 (94.8-98.9)	32, 49, 106
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgM	IgM	BE, NL	173	98.8 (95.9-99.7)	2, 106
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	IgA	AU, BE, DK, FI, FR, GR, LU, NL, US	1012	88.6 (86.5-90.4)	2, 5, 13, 44, 49, 64, 83, 102, 109, 120
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	IgG	AU, BE, CH, DE, DK, FI, FR, GR, LU, NL, US	1517	97.6 (96.7-98.2)	2, 5, 13, 44, 47, 49, 62, 64, 83, 98, 106, 109, 120
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2 IgG	IgG	DE, NL	285	96.5 (93.7-98.1)	2, 47
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	total Ab	LU, NL, SE, UK	887	99.8 (99.2-99.9)	2, 7, 32, 109
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	IgM	BE, CN	411	96.8 (94.7-98.1)	64, 85, 124
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	IgG	CN, IT	927	98.4 (97.3-99.0)	42, 124, 136
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	IgM	CN, IT	927	98.0 (96.8-98.7)	42, 124, 136
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	IgG	AU, BE, IT, NL, US	334	98.2 (96.1-99.2)	3, 5, 24, 106, 125
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	IgG or IgM	AU, BE, IT, US	444	95.3 (92.9-96.9)	5, 24, 89, 106, 125
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	IgM	AU, BE, IT, US	324	97.8 (95.6-98.9)	5, 24, 106, 125
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	IgG	BE, SE	266	96.6 (93.7-98.2)	36, 106
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	IgM	BE, SE	266	98.1 (95.7-99.2)	36, 106
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	FR, NL, UK	209	100.0 (98.2-100.0)	66, 140, 146
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	BE, CY, FR, NL, SE	634	99.8 (99.1-100.0)	69, 96, 103, 126, 143
NAT	CerTest Biotec, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	CY, FR, NL, UK	2931	100.0 (99.9-100.0)	70, 96, 144, 146
NAT	Da An Gene, 2019-nCoV RT-PCR	N	CH, HR	154	98.7 (95.4-99.6)	73, 76
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	NL, UK	207	100.0 (98.2-100.0)	78, 146
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	na	FR, SI	595	99.5 (98.5-99.8)	93, 145
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	E	HK, SI	131	100.0 (97.2-100.0)	25, 104
NAT	Seegene, Allplex 2019-nCoV assay	na	NL, UK	207	100.0 (98.2-100.0)	80, 146

Test type	Proposed by	Intended use
Ab	Federal Agency for Medicines and Health Products, Belgium	Determination of the immune status against SARS-CoV-2. Detection of SARS-CoV-2-specific IgG antibodies or a combination of IgG and IgM/IgA antibodies in plasma, serum, venous or capillary blood. Not suitable for diagnosing active infections.
Ab	Haute Autorité de santé (HAS), France	Any
Ab	Rijksinstituut voor Volksgezondheid en Milieu (RIVM), The Netherlands	Individual patient diagnostics
Ab	Rijksinstituut voor Volksgezondheid en Milieu (RIVM), The Netherlands	Depending on further research on whether Abs can provide protective immunity and possibly reduced infectivity. Individual status of having had a SARS-CoV-2 infection in specific (sub)populations, e.g. health care workers and caregivers of vulnerable persons
Ab	Rijksinstituut voor Volksgezondheid en Milieu (RIVM), The Netherlands	Sero-epidemiological studies
Ab	Medicines & Healthcare products Regulatory Agency, United Kingdom	Point of care tests and self-testing. Desired: to determine if an individual is immune to SARS-CoV-2. Acceptable: to determine if an individual has previously been exposed to SARS-CoV-2.

Minimum sensitivity	Minimum specificity
For samples taken 5-15 dpo: $\geq 90\%$. For samples taken >15 dpo: $\geq 97\%$ Comparison with results from a validated molecular test using nasopharyngeal samples should be performed. The time delay between symptom onset or a positive nucleic acid test result and a positive serological test should be stated.	$\geq 98,5\%$
90-95% depending on intended use	98%
95% both for IgG and for IgM, for samples taken >10 dpo	98% both for IgG and for IgM, for samples taken >10 dpo
85% for IgG only, for samples taken >10 dpo	98% for IgG only, for samples taken >10 dpo
95% for IgG only	98% for IgG only
98% (96-100% CI) Desired: IgG. Acceptable: total Ab	98% (96-100% CI)

Link

https://www.fagg.be/sites/default/files/content/famhp_sci_ensano_procedure_antibody_antigen_tests_v3_07052020.pdf

https://www.has-sante.fr/jcms/p_3179992/en/cahier-des-charges-definissant-les-modalites-d-evaluation-des-performances-des-tests-serologiques-detectant-les-anticorps-diriges-contre-le-sars-cov-2

https://www.nvmm.nl/media/3574/20200602_status-en-resultaten-validatie-elisa-en-auto-analyzers_20200602_final.pdf

https://www.nvmm.nl/media/3574/20200602_status-en-resultaten-validatie-elisa-en-auto-analyzers_20200602_final.pdf

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<https://www.gov.uk/government/publications/how-tests-and-testing-kits-for-coronavirus-covid-19-work/target-product-profile-antibody-tests-to-help-determine-if-people-have-recent-infection-to-sars-cov-2-version-2>

Source	Authors	Title	Journal	Countries	DOI	PreprintDOI
1	Public Health England	Evaluation of the Abbott SARS-CoV-2 IgG for the detection of anti-SARSCoV-2 antibodies	na			
2	na	Contributed by 23 Dutch laboratories and Rijksinstituut voor Volksgezondheid en Milieu (RIVM)	na			
3	na	Contributed by 13 Dutch laboratories and Rijksinstituut voor Volksgezondheid en Milieu (RIVM)	na			
4	Tollánes et al.	Evaluation of eleven rapid tests for detection of antibodies against SARS-CoV-2	na			
5		Post-market validation of three serological assays for COVID-19	na			
6	Public Health England	Evaluation of the Ortho Clinical Diagnostics Vitros Immunodiagnostic Products Anti-SARS-CoV-2 IgG serology assay for the detection of anti-SARS-CoV-2 antibodies	na			
7	Public Health England	Evaluation of Roche Elecsys AntiSARS-CoV-2 serology assay for the detection of anti-SARS-CoV-2 antibodies	na			
8	Adams et al.	Rapid development of COVID-19 rapid diagnostics for low resource settings: accelerating delivery through transparency, responsiveness, and open collaboration	medRxiv			10.1101/2020.04.29.20082099
9	Artesi et al.	Failure of the cobas® SARS-CoV-2 (Roche) E-gene assay is associated with a C-to-T transition at position 26340 of the SARS-CoV-2 genome	medRxiv			10.1101/2020.04.28.20083337
10	Assennato, Richie et al.	Performance evaluation of the point-of-care SAMBA II SARS-CoV-2 Test for detection of SARS-CoV-2	medRxiv			10.1101/2020.05.24.20100990
11	Attwood et al.	Clinical evaluation of AusDiagnostics SARS-CoV-2 multiplex tandem PCR assay	J Clin Virol		10.1016/j.jcv.2020.104448	
12	Basu et al.	Performance of the rapid Nucleic Acid Amplification by Abbott ID NOW COVID-19 in nasopharyngeal swabs transported in viral media and dry nasal swabs, in a New York City academic institution	J Clin Microbiol		10.1128/JCM.01136-20	10.1101/2020.05.11.089896
13	Beavis et al.	Evaluation of the EUROIMMUN Anti-SARS-CoV-2 ELISA Assay for detection of IgA and IgG antibodies.	J Clin Virol		10.1016/j.jcv.2020.104468	
14	Beltrán-Pavez et al.	SARS-CoV-2 detection from nasopharyngeal swab samples without RNA extraction	BioRxiv			10.1101/2020.03.28.013508
15	Bendavid et al.	COVID-19 Antibody Seroprevalence in Santa Clara County, California	medRxiv			10.1101/2020.04.14.20062463
16	Bernasconi et al.	Diagnostic performance of a SARS-CoV-2 IgG/IgM lateral flow immunochromatography assay in symptomatic patients presenting to the emergency department	Clin Chem Lab Med			10.1515/cclm-2020-0635
17	Black, Shen, Feng et al.	Analytical performance of lateral flow immunoassay for SARS-CoV-2 exposure screening on venous and capillary blood samples	medRxiv			10.1101/2020.05.13.20098426

18 Bonelli et al.	Clinical And Analytical Performance Of An Automated Serological Test That Identifies S1/S2 Neutralizing IgG In Covid-19 Patients Semiquantitatively	bioRxiv	10.1101/2020.05.19.105445
19 Bordi et al.	Rapid and sensitive detection of SARS-CoV-2 RNA using the Simplexa™ COVID-19 direct assay	J Clin Virol	10.1016/j.jcv.2020.104416
20 Broughton et al.	Rapid Detection of 2019 Novel Coronavirus SARS-CoV-2 Using a CRISPR-based DETECTR Lateral Flow Assay	medRxiv	10.1101/2020.03.06.20032334
21 Brown et al.	Validation of an extraction-free RT-PCR protocol for detection of SARS-CoV2 RNA	medRxiv	10.1101/2020.04.29.20085910
22 Bryan et al.	Performance Characteristics of the Abbott Architect SARS-CoV-2 IgG Assay and Seroprevalence Testing in Idaho	J Clin Microbiol	10.1128/JCM.00941-20
23 Calvez et al.	Molecular detection of SARS-CoV-2 using a reagent-free approach	medRxiv	10.1101/2020.04.28.20083026
24 Cassaniti et al.	Performance of VivaDiag COVID-19 IgM/IgG Rapid Test is inadequate for diagnosis of COVID-19 in acute patients referring to emergency room department	J Med Virol	10.1002/jmv.25800
25 Chik-Yan Yip, Sridhar et al.	Evaluation of the commercially available LightMix® Modular E-gene kit using clinical and proficiency testing specimens for SARS-CoV-2 detection	J Clin Virol	10.1016/j.jcv.2020.104476
26 Choe et al.	Diagnostic performance of immunochromatography assay for rapid detection of IgM and IgG in coronavirus disease 2019	J Med Virol	10.1002/jmv.26060
27 Colavita et al.	Evaluation of EUSA tests for the qualitative determination of IgG, IgM and IgA to SARS-CoV-2	medRxiv	10.1101/2020.05.24.20111682
28 Cristina Resende et al.	SARS-CoV-2 genomes recovered by long amplicon tiling multiplex approach using nanopore sequencing and applicable to other sequencing platforms	bioRxiv	10.1101/2020.04.30.069039
29 Demey et al.	Dynamic profile for the detection of anti-SARS-CoV-2 antibodies using four immunochromatographic assays		10.1016/j.jinf.2020.04.033
30 Diao et al.	Diagnosis of Acute Respiratory Syndrome Coronavirus 2 Infection by Detection of Nucleocapsid Protein	medRxiv	10.1101/2020.03.07.20032524
31 Döhla et al.	Rapid point-of-care testing for SARS-CoV-2 in a community screening setting shows low sensitivity	medRxiv	10.1016/j.puhe.2020.04.009
32 Ekelund et al.	High-throughput immunoassays for SARS-CoV-2 – considerable differences in performance when comparing three methods	medRxiv	10.1101/2020.05.22.20106294
33 Gao et al.	Evaluation the auxiliary diagnosis value of antibodies assays for detection of novel coronavirus (SARS-CoV-2) causing an outbreak of pneumonia (COVID-19)	medRxiv	10.1101/2020.03.26.20042044
34 Geurtsvankessel et al.	Towards the next phase: evaluation of serological assays for diagnostics and exposure assessment	Nat Commun	10.1038/s41467-020-17317-y
35 Gupta et al.	Pooled RNA sample reverse transcriptase real time PCR assay for SARS-CoV-2 infection: a reliable, faster and economical method.	medRxiv	10.1101/2020.04.25.20079095
36 Hoffman et al.	Evaluation of a COVID-19 IgM and IgG rapid test; an efficient tool for assessment of past exposure to SARS-CoV-2	Infection Ecology & Epidemiology	10.1080/20008686.2020.1754538

37 Hogan et al.	Comparison of the Accula SARS-CoV-2 Test with a Laboratory-Developed Assay for Detection of SARS-CoV-2 RNA in Clinical Nasopharyngeal Specimens	J Clin Microbiol	10.1128/JCM.01072-20
38 Hou et al.	Detection of IgM and IgG antibodies in patients with coronavirus disease 2019	Clin Transl Immunology	10.1002/cti2.1136
39 Hu et al.	Simple Strategy for Rapid and Sensitive Detection of 2019 novel coronavirus Based on Antibody	ResearchSquare	10.21203/rs.3.rs-16761/v1
40 Hu, Cui et al.	The production of antibodies for SARS-CoV-2 and its clinical implication	medRxiv	10.1101/2020.04.20.20065953
41 Imai et al.	Clinical evaluation of an immunochromatographic IgM/IgG antibody assay and chest computed tomography for the diagnosis of COVID-19	J Clin Virol	10.1016/j.jcv.2020.104393
42 Infantino et al.	Diagnostic accuracy of an automated chemiluminescent immunoassay for anti-SARS-CoV-2 IgM and IgG antibodies: an Italian experience	J Med Virol	10.1002/jmv.25932
43 Jin et al.	Diagnostic value and dynamic variance of serum antibody in coronavirus disease 2019	Int J Infect Dis	10.1016/j.ijid.2020.03.065
44 Jääskeläinen et al.	Evaluation of commercial and automated SARS-CoV-2 IgG and IgA ELISAs using coronavirus disease (COVID-19) patient	Euro Surveill	10.2807/1560-7917.ES.2020.25.18.2000603
45 Jääskeläinen et al.	Performance of six SARS-CoV-2 immunoassays in comparison with microneutralisation	medRxiv	10.1101/2020.05.18.20101618
46 Kohmer et al.	Clinical performance of SARS-CoV-2 IgG antibody tests and potential protective immunity	bioRxiv	10.1101/2020.05.08.085506
47 Krüttgen et al.	Comparison of four new commercial serologic assays for determination of SARS-CoV-2 IgG	J Clin Virol	10.1016/j.jcv.2020.104394
48 Lambert-Niclot et al.	Evaluation of a rapid diagnostic assay for detection of SARS-CoV-2 antigen in nasopharyngeal swab	J Clin Microbiol	10.1128/JCM.00977-20
49 Lassaunière et al.	Evaluation of nine commercial SARS-CoV-2 immunoassays	medRxiv	10.1101/2020.04.09.20056325
50 Lee et al.	Validation of a Single-step, Single-tube Reverse Transcription-Loop-Mediated Isothermal Amplification Assay for Rapid Detection of SARS-CoV-2 RNA	bioRxiv	10.1101/2020.04.28.067363
51 Li et al.	Development and clinical application of a rapid IgM-IgG combined antibody test for SARS-CoV-2 infection diagnosis	J Med Virol	10.1002/jmv.25727
52 Liebermann et al.	Comparison of Commercially Available and Laboratory Developed Assays for in vitro Detection of SARS-CoV-2 in Clinical Laboratories	J Clin Microbiol	10.1128/JCM.00821-20
53 Lin et al.	Evaluations of serological test in the diagnosis of 2019 novel coronavirus (SARS-CoV-2) infections during the COVID-19 outbreak	medRxiv	10.1101/2020.03.27.20045153
54 Lippi et al.	Assessment of immune response to SARS-CoV-2 with fully automated MAGLUMI 2019-nCoV IgG and IgM chemiluminescence immunoassays	Clin Chem Lab Med	10.1515/cclm-2020-0473
55 Liu et al.	Evaluation of Nucleocapsid and Spike Protein-based ELISAs for detecting antibodies against SARS-CoV-2	J Clin Microbiol	10.1128/JCM.00461-20
56 Liu et al.	Diagnostic Indexes of a Rapid IgG/IgM Combined Antibody Test for SARS-CoV-2	medRxiv	10.1101/2020.03.26.20044883
57 Liu, Liu et al.	The comparative superiority of IgM-IgG antibody test to real-time reverse transcriptase PCR detection for SARS-CoV-2 infection diagnosis	medRxiv	10.1101/2020.03.28.20045765

58 Long et al.	Antibody responses to SARS-CoV-2 in patients with COVID-19	Nat Med	10.1038/s41591-020-0897-1
59 Lou et al.	Serology characteristics of SARS-CoV-2 infection since exposure and post symptom onset	Eur Respir J	10.1183/13993003.00710.1101/2020.03.23.2063-2020041707
60 Ma, Zeng et al.	COVID-19 diagnosis and study of serum SARS-CoV-2 specific IgA, IgM and IgG by a quantitative and sensitive immunoassay	medRxiv	10.1101/2020.04.17.20064907
61 Mak et al.	Evaluation of rapid antigen test for detection of SARS-CoV-2 virus	J Clin Virol	10.1016/j.jcv.2020.104500
62 Meyer, Torriani et al.	Validation of a commercially available SARS-CoV-2 serological immunoassay	medRxiv	10.1101/2020.05.02.20080879
63 Minter et al.	Multi-site Validation of a SARS-CoV-2 IgG/IgM Rapid Antibody Detection Kit	medRxiv	10.1101/2020.05.25.20112227
64 Montesinos et al.	Evaluation of two automated and three rapid lateral flow immunoassays for the detection of anti SARS CoV 2 antibodies	J Clin Virol	10.1016/j.jcv.2020.104413
65 Moran, Beavis et al.	The Detection of SARS-CoV-2 using the Cepheid Xpert Xpress SARS-CoV-2 and Roche Cobas SARS-CoV-2 Assays	J Clin Microbiol	10.1128/JCM.00772-20
66 Public Health England	Rapid assessment of the Altona RealStar SARS-CoV-2 RT-PCR Kit 1.0. assay for the detection of SARS-CoV-2 (COVID-19)	na	
67 Public Health England	Rapid assessment of the AusDiagnostics Coronavirus Typing (8-well) assay for the detection of SARS-CoV-2 (COVID-19)	na	
68 na	Contributed by National Institute of Public Health (Poland)	na	
69 na	Summary of evaluation of GeneXpert Xpert Xpress SARS-CoV-2	na	
70 Public Health England	Rapid assessment of the (ProLab/Certest) ViaSure SARS-CoV-2 Real Time PCR detection Kit (VS-NCO296T)	na	
71 Public Health England	Rapid assessment of the GeneFirst Novel Coronavirus (COVID-19) Real-Time PCR assay	na	
72 Public Health England	Rapid assessment of the Genetic Signatures EasyScreen™ SARS-CoV-2 Detection Kit	na	
73 FIND	SARS-CoV-2 Molecular Assay Evaluation: Results	na	
74 na	Contributed by National Institute of Public Health (Poland)	na	
75 na	Contributed by National Institute of Public Health (Poland)	na	
76 na	Contributed by University Hospital for Infectious Diseases (Croatia)	na	
77 na	Contributed by Voivodeship Sanitary Epidemiological Station Warsaw, Epidemiological Response Centre of The Polish Armed Forces (Poland)	na	

78	Public Health England	Rapid assessment of the Novacyt Primerdesign Coronavirus (COVID-19) genesig® Real-Time PCR assay	na		
79	Public Health England	Rapid assessment of the Randox Extended Coronavirus Multiplex Array assay	na		
80	Public Health England	Rapid assessment of the Seegene 'Allplex 2019-nCoV' assay for the detection of SARS-CoV-2 (COVID-19)	na		
81	Public Health England	Rapid assessment of the Roche Ltd Coronavirus LightMix® Modular SARS and Wuhan CoV E-gene assay	na		
82	National COVID Testing Scientific Advisory Panel	Evaluation of antibody testing for SARS-Cov-2 using ELISA and lateral flow immunoassays	medRxiv		10.1101/2020.04.15.20066407
83	Nicol et al.	Assessment of SARS-CoV-2 serological tests for the diagnosis of COVID-19 through the evaluation of three immunoassays: two automated immunoassays (Euroimmun and Abbott) and one rapid lateral flow immunoassay (NG Biotech)	J Clin Virol	10.1016/j.jcv.2020.104511	
84	Nörz et al.	Pushing beyond specifications: Evaluation of linearity and clinical performance of a fully automated SARS-CoV-2 RT-PCR assay for reliable quantification in blood and other materials outside recommendations	medRxiv		10.1101/2020.05.28.20115469
85	Ou, Tan et al.	Study on the expression levels of antibodies against SARS-CoV-2 at different period of disease and its related factors in 192 cases of COVID-19 patients	medRxiv		10.1101/2020.05.22.20102525
86	Padoan et al.	Analytical performances of a chemiluminescence immunoassay for SARS-CoV-2 IgM/IgG and antibody kinetics.	Clin Chem Lab Med	10.1515/oclim-2020-0443	
87	Pan et al.	Serological immunochromatographic approach in diagnosis with SARS-CoV-2 infected COVID-19 patients	J Infect	10.1016/j.jinf.2020.03.051	10.1101/2020.03.13.20035428
88	Pan et al.	Serological immunochromatographic approach in diagnosis with SARS-CoV-2 infected COVID-19 patients	J Infect	10.1016/j.jinf.2020.03.051	
89	Paradiso et al.	Clinical meanings of rapid serological assay in patients tested for SARS-Co2 RT-PCR	medRxiv		10.1101/2020.04.03.20052183
90	Paradiso et al.	Rapid serological tests have a role in asymptomatic health workers COVID-19 screening	medRxiv		10.1101/2020.04.15.20057786
91	Pasomsub et al.	Saliva Sample as a Non-Invasive Specimen for the Diagnosis of Coronavirus Disease-2019 (COVID-19): a Cross-Sectional Study	medRxiv		10.1101/2020.04.17.20070045
92	Perez-Garcia et al.	Rapid diagnosis of SARS-CoV-2 infection by detecting IgG and IgM antibodies with an immunochromatographic device: a prospective single-center study	medRxiv		10.1101/2020.04.11.20062158
93	Poljak, Korva et al.	Clinical Evaluation of the cobas SARS-CoV-2 Test and a Diagnostic Platform Switch during 48 Hours in the Midst of the COVID-19 Pandemic	J Clin Microbiol	10.1128/JCM.00599-20	

94	Porte et al.	Evaluation of Novel Antigen-Based Rapid Detection Test for the Diagnosis of SARS-CoV-2 in Respiratory Samples	Lancet		10.2139/ssrn.3569871
95	Prazuck et al.	Evaluation of performance of two SARS-CoV-2 Rapid whole-blood finger-stick IgM-IgG Combined Antibody Tests	medRxiv		10.1101/2020.05.27.20112888
96	na	Contributed by Nicosia General Hospital (Cyprus)	na		
97	na	Contributed by National Institute of Public Health (Poland)	na		
98	na	Contributed by Pasteur Hellenic Institute (Greece)	na		
99	na	Contributed by National Institute of Health Doutor Ricardo Jorge (Portugal)	na		
100	na	Contributed by National Institute of Health Doutor Ricardo Jorge (Portugal)	na		
101	na	Contributed by National Institute of Health Doutor Ricardo Jorge (Portugal)	na		
102	na	Contributed by Pasteur Hellenic Institute (Greece)	na		
103	na	Contributed by Leuven University Hospital (Belgium)	na		
104	na	Contributed by National Laboratory for Health Environment and Food, Laboratory for Public Health Virology (Slovenia)	na		
105	na	Contributed by Institute for Tropical Medicine (Belgium)	na		
106	na	Contributed by Leuven University Hospital (Belgium)	na		
107	na	Contributed by National Institute of Public Health (Poland)	na		
108	na	Contributed by Finnish Institute for Health and Welfare (Finland)	na		
109	na	Contributed by National Laboratory for Health (Luxembourg)	na		
110	Qian, Zhou et al.	Development and Multicenter Performance Evaluation of The First Fully Automated SARS-CoV-2 IgM and IgG Immunoassays	medRxiv		10.1101/2020.04.16.20067231
111	Qu et al.	Profile of IgG and IgM antibodies against severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	Clin Infect Dis	10.1093/cid/ciaa489	
112	Rhoads et al.	Comparison of Abbott ID Now, Diasorin Simplexa, and CDC FDA EUA methods for the detection of SARS-CoV-2 from nasopharyngeal and nasal swabs from individuals diagnosed with COVID-19	J Clin Microbiol	10.1128/JCM.00760-20	
113	Shen, Zheng, Zhang, Wang, Jin, Ling et al.	Clinical evaluation of a rapid colloidal gold immunochromatography assay for SARS-CoV-2 IgM/IgG	Am J Transl Res	PMID:32355546	
114	Smithgall et al.	Comparison of Cepheid Xpert Xpress and Abbott ID Now to Roche cobas for the Rapid Detection of SARS-CoV-2	J Clin Virol	10.1016/j.jcv.2020.104428	10.1101/2020.04.22.055327
115	Spicuzza et al.	Reliability and usefulness of a rapid IgM-IgG antibody test for the diagnosis of SARS-CoV-2 infection: a preliminary report	J Infect	10.1016/j.jinf.2020.04.022	
116	Suhandynata et al.	Longitudinal Monitoring of SARS-CoV-2 IgM and IgG Seropositivity to Detect COVID-19	J Appl Lab Med	10.1093/jalm/jfaa079	
117	Tan et al.	Viral Kinetics and Antibody Responses in Patients with COVID-19	medRxiv		10.1101/2020.03.24.20042382
118	Tang et al.	Clinical Performance of Two SARS-CoV-2 Serologic Assays	Clinical Chemistry	10.1093/clinchem/hvaa120	
119	Tré-Hardy et al.	Validation of a chemiluminescent assay for specific SARS-CoV-2 antibody	Clin Chem Lab Med	10.1515/cclm-2020-0594	

120 Tuillon et al.	Detection of SARS-CoV-2 antibodies using commercial assays and seroconversion patterns in hospitalized patients	J Infect	10.1016/j.jinf.2020.05.077	10.1101/2020.05.04.20090027
121 Visseaux et al.	Evaluation of the QIAstat-Dx Respiratory SARS-CoV-2 Panel, the first rapid multiplex PCR commercial assay for SARS-CoV-2 detection	Clin Microbiol	10.1128/JCM.00630-20	
122 Wajnberg et al.	Humoral immune response and prolonged PCR positivity in a cohort of 1343 SARS-CoV-2 patients in the New York City region	medRxiv		10.1101/2020.04.30.20085613
123 Wan et al.	Cross-reaction of sera from COVID-19 patients with SARS-CoV assays.	medRxiv		10.1101/2020.03.17.20034454
124 Wan et al.	Performance verification of detecting COVID-19 specific antibody by using four chemiluminescence immunoassay systems	medRxiv		10.1101/2020.04.27.20074849
125 Whitman et al.	Test performance evaluation of SARS-CoV-2 serological assays	medRxiv		10.1101/2020.04.25.20074856
126 Wolters et al.	Multi-center Evaluation of Cepheid Xpert® Xpress SARS-CoV-2 Point-Of-Care Test During the SARS-CoV-2 Pandemic	J Clin Virol	10.1016/j.jcv.2020.104426	
127 Xiang et al.	Antibody Detection and Dynamic Characteristics in Patients with COVID-19	Clin Infect Dis	10.1093/cid/ciaa461	
128 Xiao et al.	Profile of Specific Antibodies to SARS-CoV-2: The First Report.	J Infect	10.1016/j.jinf.2020.03.012	
129 Xiao et al.	Early viral clearance and antibody kinetics of COVID-19 among asymptomatic carriers	medRxiv		10.1101/2020.04.28.20083139
130 Xie, Ding et al.	Characteristics of patients with coronavirus disease (COVID-19) confirmed using an IgM-IgG antibody test	J Med Virol	10.1002/jmv.25930	
131 Xiong et al.	Comparative performance of four nucleic acid amplification tests for SARS-CoV-2 virus	bioRxiv		10.1101/2020.03.26.010975
132 Yang et al.	Laboratory diagnosis and monitoring the viral shedding of 2019-nCoV infections	medRxiv		10.1101/2020.02.11.20021493
133 Yangchun	Optimize Clinical Laboratory Diagnosis of COVID-19 from Suspect Cases by Likelihood Ratio of SARS-CoV-2 IgM and IgG antibody	medRxiv		10.1101/2020.04.07.20053660
134 Zeng et al.	Antibodies in Infants Born to Mothers With COVID-19 Pneumonia	JAMA	10.1001/jama.2020.4861	
135 Zhang et al.	Longitudinal Change of SARS-Cov2 Antibodies in Patients with COVID-19	Infectious Diseases Society of America		
136 Zhang et al.	Serological detection of 2019-nCoV respond to the epidemic: A useful complement to nucleic acid testing	medRxiv		10.1101/2020.03.04.20030916
137 Zheo et al.	Antibody responses to SARS-CoV-2 in patients of novel coronavirus disease 2019	Clin Infect Dis	10.1093/cid/ciaa344	
138 Zhen et al.	Comparison of Four Molecular In Vitro Diagnostic Assays for the Detection of SARS-CoV-2 in Nasopharyngeal Specimens	medRxiv		10.1101/2020.04.17.20069864
139 Zhou et al.	A preliminary study on analytical performance of serological assay for SARS-CoV-2 IgM/IgG and application in clinical	medRxiv		10.1101/2020.05.05.20092551
140 na	Contributed by CNR respiratory viruses Lyon (France)	na		
141 na	Contributed by CNR respiratory viruses Lyon (France)	na		
142 na	Contributed by CNR respiratory viruses Lyon (France)	na		
143 na	Contributed by CNR respiratory viruses Lyon (France)	na		
144 na	Contributed by CNR respiratory viruses Lyon (France)	na		
145 na	Contributed by CNR respiratory viruses Lyon (France)	na		
146 van Kasteren et al.	Comparison of Seven Commercial RT-PCR Diagnostic Kits for COVID-19	J Clin Virol	10.1016/j.jcv.2020.104412	10.1101/2020.04.22.056747

Link	PotentialConflictOfInterest	IneligibleStudyDesign
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/890566/Evaluation_of_Abbott_SARS_CoV_2_IgG_PHE.pdf	0	0
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https://www.noklus.no/media/fkpk53g/report_1_covid19_rapidtests_noklus_2020.pdf	0	0
https://www.health.gov.au/sites/default/files/documents/2020/05/post-market-validation_of_three_serological_assays_for_covid-19-final-report.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/888631/Evaluation_of_OCD_Vitros_Immunodiagnostic_Anti-SARS_CoV2_serology_assay_PHE_260520.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/891598/Evaluation_of_Roche_Elecsys_anti_SARS_CoV_2_PHE_200610_v8.1_FINAL.pdf	0	0
https://doi.org/10.1101/2020.04.29.20082099	1	
https://www.medrxiv.org/content/10.1101/2020.04.28.20083337v1.full.pdf	0	1
https://doi.org/10.1101/2020.05.24.20100990	1	
https://doi.org/10.1016/j.jcv.2020.104448	0	0
https://doi.org/10.1128/CM.01136-20	0	0
https://doi.org/10.1016/j.jcv.2020.104468	0	0
https://www.biorxiv.org/content/10.1101/2020.03.28.013508v1.full.pdf	0	1
https://doi.org/10.1101/2020.04.14.20062463	0	1
https://doi.org/10.1515/cclm-2020-0635	0	0
https://doi.org/10.1101/2020.05.13.20098426	1	

https://doi.org/10.1101/2020.05.19.105445	1		
https://doi.org/10.1016/j.jcv.2020.104416	1		
https://www.medrxiv.org/content/10.1101/2020.03.06.20032334v2.full.pdf	1		
https://www.medrxiv.org/content/10.1101/2020.04.29.20085910v1.full.pdf	0		1
https://doi.org/10.1128/JCM.00941-20	0		0
https://www.medrxiv.org/content/10.1101/2020.04.28.20083626v1.full.pdf	0		1
https://doi.org/10.1002/jmv.25800	0		0
https://doi.org/10.1016/j.jcv.2020.104476	0		0
https://doi.org/10.1002/jmv.26060	0		0
https://doi.org/10.1101/2020.05.24.20111682	1		
https://www.biorxiv.org/content/10.1101/2020.04.30.069039v1.full.pdf	0		1
https://doi.org/10.1016/j.jinf.2020.04.033	0		0
https://www.medrxiv.org/content/10.1101/2020.03.07.20032524v2.full.pdf	1		
https://doi.org/10.1016/j.puhe.2020.04.009	0		1
https://doi.org/10.1101/2020.05.22.20106294	0		0
https://doi.org/10.1101/2020.03.26.20042044	1		
https://doi.org/10.1038/s41467-020-17317-y	0		0
https://www.medrxiv.org/content/10.1101/2020.04.25.20079095v1	0		1
https://doi.org/10.1080/2008686.2020.1754538	0		0

https://doi.org/10.1128/JCM.01072-20	0	0
https://doi.org/10.1002/cti2.1136	0	1
https://doi.org/10.21203/rs.3.rs-16761/v1	0	1
https://doi.org/10.1101/2020.04.20.20065953	0	1
https://doi.org/10.1016/j.jcv.2020.104393	0	0
https://doi.org/10.1002/jmv.25932	0	0
https://doi.org/10.1016/j.jiid.2020.03.065	0	0
https://doi.org/10.2807/1560-7917.ES.2020.25.18.2000603	0	0
https://www.medrxiv.org/content/10.1101/2020.05.18.20101618v1.full.pdf	0	0
https://doi.org/10.1101/2020.05.08.085506	1	
https://doi.org/10.1016/j.jcv.2020.104394	0	0
https://doi.org/10.1128/JCM.00977-20	0	0
https://www.medrxiv.org/content/10.1101/2020.04.09.20056325v1.full.pdf	0	0
https://www.biorxiv.org/content/10.1101/2020.04.28.067363v2	0	1
https://doi.org/10.1002/jmv.25727	1	
https://doi.org/10.1101/2020.04.24.20074559	0	1
https://doi.org/10.1101/2020.03.27.20045153	0	1
https://doi.org/10.1515/cclm-2020-0473	0	0
https://doi.org/10.1128/JCM.00461-20	0	0
https://doi.org/10.1101/2020.03.26.20044883	1	
https://doi.org/10.1101/2020.03.28.20045765	0	1

https://doi.org/10.1038/s41591-020-0897-1	0	1
https://doi.org/10.1183/13993003.00763-2020	0	0
https://doi.org/10.1101/2020.04.17.20064907	1	
https://doi.org/10.1016/j.jcv.2020.104500	0	0
https://www.medrxiv.org/content/10.1101/2020.05.02.20080879v1.full.pdf	0	0
https://www.medrxiv.org/content/10.1101/2020.05.25.20112227v1.full.pdf	0	0
https://doi.org/10.1016/j.jcv.2020.104413	0	0
https://jcm.asm.org/content/jcm/early/2020/04/17/JCM.00772-20.full.pdf	0	1
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889336/Rapid_assessment_Altona_Real_Stor_SARS-CoV-2_RT-PCR_Kit.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889335/Rapid_assessment_AusDiagnostics_Coronavirus_Typing_8-well_assay_for_detection_of_SARS-CoV-2.pdf	0	0
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https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889340/Rapid_assessment_ViaSure_SARS-CoV-2_Real_Time_PCR_detection_Kit_VS-NCO296T.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889334/Rapid_assessment_GeneFirst_Novel_Coronavirus_COVID-19_Real-Time_PCR_assay.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889332/Rapid_assessment_Genetic_Signatures_EasyScreen_SARS-CoV-2_Detection_Kit.pdf	0	0
https://www.finddx.org/covid-19/sarscov2-eval-molecular/molecular-	0	0
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https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889330/Rapid_assessment_Novacyt_Primerdesign_Coronavirus_COVID-19_Genesig.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889329/Rapid_assessment_Radox_Extended_Coronavirus_Multiplex_Array_assay.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889327/Rapid_assessment_Seegene_Allplex_2019-nCoV_assay_for_the_detection_of_SARS-CoV-2_COVID-19_.pdf	0	0
https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/889328/Rapid_assessment_Roche_Ltd_Coronavirus_LightMix_Modular_SARS_and_Wuhan_CoV_E-gene_assay.pdf	0	0
https://www.medrxiv.org/content/10.1101/2020.04.15.20066407v2.full.pdf	0	1
https://doi.org/10.1016/j.jcv.2020.104511	0	0
https://doi.org/10.1101/2020.05.28.20115469	0	1
https://doi.org/10.1101/2020.05.22.20102525	0	0
https://doi.org/10.1515/cclm-2020-0443	0	1
https://doi.org/10.1016/j.jinf.2020.03.051	0	0
https://doi.org/10.1016/j.jinf.2020.03.051	0	0
https://www.medrxiv.org/content/10.1101/2020.04.03.20052183v1.full.pdf	0	0
https://doi.org/10.1101/2020.04.15.20057786	0	1
https://doi.org/10.1101/2020.04.17.20070045	0	1
https://doi.org/10.1101/2020.04.11.20062158	0	0
https://doi.org/10.1128/JCM.00599-20	0	0

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3569871	0	0
https://www.medrxiv.org/content/10.1101/2020.05.27.20112888v1.full.pdf	0	0
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https://www.medrxiv.org/content/10.1101/2020.04.16.20067231v1.full.pdf	1	
https://doi.org/10.1093/cid/ciaa489	0	1
https://doi.org/10.1128/CM.00760-20	0	0
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7191168/pdf/ajtr0012-1348.pdf	0	0
https://doi.org/10.1101/2020.04.22.055327	0	1
https://doi.org/10.1016/j.jinf.2020.04.022	0	0
https://doi.org/10.1093/jalm/jfaa079	0	0
https://www.medrxiv.org/content/10.1101/2020.03.24.20042382v1.full.pdf	0	1
https://doi.org/10.1093/clinchem/hvaa120	0	0
https://doi.org/10.1515/cclm-2020-0594	1	

https://doi.org/10.1016/j.jinf.2020.05.077	0	0
https://doi.org/10.1128/CM.00630-20	0	0
https://doi.org/10.1101/2020.04.30.20085613	0	1
https://doi.org/10.1101/2020.03.17.20034454	0	1
https://www.medrxiv.org/content/10.1101/2020.04.27.20074849v1.full.pdf	0	0
https://www.medrxiv.org/content/10.1101/2020.04.25.20074856v1.full.pdf	0	0
https://doi.org/10.1016/j.jcv.2020.104426	0	0
https://doi.org/10.1093/cid/ciaa461	0	0
https://doi.org/10.1016/j.jinf.2020.03.012	0	1
https://doi.org/10.1101/2020.04.28.20083139	0	1
https://doi.org/10.1002/jimv.25930	0	0
https://doi.org/10.1101/2020.03.26.010975	1	
https://doi.org/10.1101/2020.02.11.20021493	0	1
https://doi.org/10.1101/2020.04.07.20053660	0	1
https://doi.org/10.1001/jama.2020.4861	0	1
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7197530/pdf/jiaa229.pdf	0	0
https://www.medrxiv.org/content/10.1101/2020.03.04.20030916v2.full.pdf	0	0
https://doi.org/10.1093/cid/ciaa344	0	0
https://doi.org/10.1101/2020.04.17.20069864	0	0
https://doi.org/10.1101/2020.05.05.20092551	0	1
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https://doi.org/10.1016/j.jcv.2020.104412	0	0

Category	Test	Population	Target	Metric	Dpo	IsDpoIncluded
Ab (LFA)	AAZ, DUO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	0-5	0
Ab (LFA)	AAZ, DUO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	AAZ, DUO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	AAZ, DUO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	>15	1
Ab (LFA)	AAZ, DUO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	AAZ, PRESTO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	0-5	0
Ab (LFA)	AAZ, PRESTO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	AAZ, PRESTO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	AAZ, PRESTO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	>15	1
Ab (LFA)	AAZ, PRESTO IgG and IgM rapid test	unk	IgG or IgM	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	hospitalised	IgG	Sensitivity	0-10	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	hospitalised	IgG	Sensitivity	22-28	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	hospitalised	IgG	Sensitivity	>28	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	0-2	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	3-7	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	8-13	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	>13	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	18-52	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	0-7	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	8-14	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	>14	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	15-21	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	22-28	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	>28	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	0-2	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	3-7	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	8-13	0
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	>13	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (CLIA)	Abbott, SARS-CoV-2 IgG assay for Architect	na	IgG	Specificity	na	na
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-6	0
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	7-14	0
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	na
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	na
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	7-14	0
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1

Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	AccuBioTech, Accu-Tell COVID-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-6	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	7-14	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	7-14	0
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Acro Biotech, COVID-19 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Anhui Deep Blue Medical Technology, COVID-19 (SARS-CoV-2) IgG/IgM Antibody Test Kit	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Anhui Deep Blue Medical Technology, COVID-19 (SARS-CoV-2) IgG/IgM Antibody Test Kit	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	Anhui Deep Blue Medical Technology, COVID-19 (SARS-CoV-2) IgG/IgM Antibody Test Kit	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Anhui Deep Blue Medical Technology, COVID-19 (SARS-CoV-2) IgG/IgM Antibody Test Kit	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Anhui Deep Blue Medical Technology, COVID-19 (SARS-CoV-2) IgG/IgM Antibody Test Kit	unk	IgG	Sensitivity	>20	1

Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	hospitalised	IgM	Sensitivity	8-14	0
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Artron Laboratories, One Step Novel Coronavirus 2019 (COVID-19) IgM/IgG Antibody Test Kit	na	IgM	Specificity	na	
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	hospitalised	IgG or IgM	Sensitivity	7-13	0
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	hospitalised	IgG or IgM	Sensitivity	14-20	1
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	hospitalised	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	AutoBio Diagnostics, Anti-SARS-CoV-2 Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Avioq Bio-Tech, Novel Coronavirus (2019-nCoV)Antibody IgG/IgM Assay Kit (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Avioq Bio-Tech, Novel Coronavirus (2019-nCoV)Antibody IgG/IgM Assay Kit (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	>10	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	1-14	0
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	>14	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	>10	1
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgM	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgM	Specificity	na	
Ab (LFA)	BIOHIT HealthCare, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgM	Specificity	na	
Ab (LFA)	Beijing Diagreat Biotechnologies, 2019-nCoV IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	unk	0

Ab (LFA)	Beijing Diagreat Biotechnologies, 2019-nCoV IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Beijing Diagreat Biotechnologies, 2019-nCoV IgG/IgM Antibody Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Beijing Diagreat Biotechnologies, 2019-nCoV IgG/IgM Antibody Rapid Test Kit	na	IgG	Specificity	na	
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	0-5	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	6-10	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	11-15	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	16-20	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	21-30	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	31-35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	>35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	0-5	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	6-10	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	11-15	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	16-20	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	21-30	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	31-35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	>35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	0-5	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	6-10	0
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	11-15	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	16-20	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	21-30	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	31-35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	>35	1
Ab (ELISA)	Beijing Hotgen Biotech, Coronavirus disease (COVID-19) Antibody Test (ELISA)	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	hospitalised	IgG	Sensitivity	unk	0
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	hospitalised	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 Ab Rapid Test Kit	na	IgG or IgM	Specificity	na	

Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	0-7	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	0-10	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	0-14	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	7-14	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	>10	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	>14	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	7-13	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	14-20	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	>20	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	0-7	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	8-14	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	15-29	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	1-7	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	8-14	0
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	15-39	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	hospitalised	total Ab	Sensitivity	>10	1
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	na	total Ab	Specificity	na	
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	na	total Ab	Specificity	na	
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	na	total Ab	Specificity	na	
Ab (ELISA)	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 total Ab ELISA	na	total Ab	Specificity	na	
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	mild/asymptomatic	total Ab	Sensitivity	>10	1
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	mild/asymptomatic	total Ab	Sensitivity	>10	1
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	hospitalised	total Ab	Sensitivity	0-10	0
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	hospitalised	total Ab	Sensitivity	>10	1
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	hospitalised	total Ab	Sensitivity	>10	1
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	unk	total Ab	Sensitivity	unk	0
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	unk	total Ab	Sensitivity	>10	1
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	na	total Ab	Specificity	na	
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	na	total Ab	Specificity	na	
Ab (ELISA)	Bio-Rad, Platelia SARS-CoV-2 Total Ab	na	total Ab	Specificity	na	
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	>20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG	Sensitivity	>10	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgG	Specificity	na	

Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	>20	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	unk	IgM	Sensitivity	>10	1
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	BioMedomics, COVID-19 IgM-IgG Dual Antibody Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	19-61	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	19-61	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	19-61	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgM	Specificity	na	
Ab (LFA)	Biolidics, 2019-nCoV IgG/IgM Antibody Detection Kit	na	IgM	Specificity	na	
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	0-10	0
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	>15	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1

Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	0-10	0
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	>15	1
Ab (LFA)	Biomerica, COVID-19 IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	>10	1
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgG Antibody test kit for novel coronavirus 2019-nCoV	unk	IgG	Sensitivity	unk	0
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgG Antibody test kit for novel coronavirus 2019-nCoV	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgG Antibody test kit for novel coronavirus 2019-nCoV	na	IgG	Specificity	na	
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgG Antibody test kit for novel coronavirus 2019-nCoV	na	IgG	Specificity	na	
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgM Antibody test kit for novel coronavirus 2019-nCoV	unk	IgM	Sensitivity	unk	0
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgM Antibody test kit for novel coronavirus 2019-nCoV	unk	IgM	Sensitivity	>10	1
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgM Antibody test kit for novel coronavirus 2019-nCoV	na	IgM	Specificity	na	
Ab (CLIA)	Bioscience (Chongqing) Diagnostic Technology, IgM Antibody test kit for novel coronavirus 2019-nCoV	na	IgM	Specificity	na	
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Biosynex, COVID-19 BSS	na	IgG	Specificity	na	
Ab (LFA)	Biosynex, COVID-19 BSS	na	IgG	Specificity	na	
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Biosynex, COVID-19 BSS	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Biozek, COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	0-3	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	4-8	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	9-14	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	15-20	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	21-30	1

Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	>30	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	7-13	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	14-20	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	0-3	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	4-8	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	9-14	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	15-20	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	21-30	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	>30	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	0-3	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	4-8	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	9-14	0
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	15-20	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	21-30	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	>30	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	unk	IgM	Sensitivity	>10	1
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	CTK Biotech, OnSiteTM COVID-19 IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1

Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Cellex, qSARS-CoV-2 IgG/IgM cassette Rapid test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgG	Sensitivity	0-6	0
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgG	Sensitivity	7-14	0
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgM	Sensitivity	7-14	0
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Chongqing ISIA BIO-Technology, 2019-nCoV IgM/IgG Diagnostic Test Kit	na	IgM	Specificity	na	
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgG	Sensitivity	0-10	0
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	na	IgG	Specificity	na	
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	na	IgG	Specificity	na	
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgM	Sensitivity	0-10	0
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	na	IgM	Specificity	na	
Ab (ELISA)	Creative Diagnostics, SARS-CoV-2 IgG ELISA Kit	na	IgM	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	>20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS-COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	11-15	1

Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	>20	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Decombio, Noval Coronavirus (SARS- COV-2) IgM/IgG Combo Rapid Test Kit	na	IgM	Specificity	na	
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	hospitalised	IgG	Sensitivity	0-14	0
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	hospitalised	IgG	Sensitivity	>14	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	unk	IgG	Sensitivity	18-52	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	na	IgG	Specificity	na	
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	na	IgG	Specificity	na	
Ab (CLIA)	DiaSorin, Liaison XL S1/S2 IgG chemiluminescence immunoassay	na	IgG	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG	Sensitivity	0-7	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG	Sensitivity	8-14	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG	Sensitivity	>14	1
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgG	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgG	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG or IgM	Sensitivity	0-7	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG or IgM	Sensitivity	8-14	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG or IgM	Sensitivity	>14	1
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgG or IgM	Sensitivity	>10	1

Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgM	Sensitivity	0-7	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgM	Sensitivity	8-14	0
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgM	Sensitivity	>14	1
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	unk	IgM	Sensitivity	>10	1
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgM	Specificity	na	
Ab (CLIA)	Diazyme Laboratories, DZ-Lite SARS-CoV-2 IgM and IgG CLIA	na	IgM	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	7-13	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	14-20	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	unk	IgG or IgM	Sensitivity	18-52	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG or IgM	Specificity	na	

Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgM	Specificity	na	
Ab (LFA)	Dynamiker Biotechnology Tianjin, 2019 nCoV IgG/IgM Rapid test	na	IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	hospitalised	IgG	Sensitivity	0-10	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	hospitalised	IgG	Sensitivity	unk	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	1-5	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	6-10	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	11-15	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	16-20	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	>20	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgG	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgG	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgG	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	1-5	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	6-10	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	11-15	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	16-20	1

Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	>20	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgG or IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgG or IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgG or IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	1-5	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	6-10	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	11-15	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	16-20	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	>20	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	unk	IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1032 Coronavirus COVID-19 IgG ELISA Kit	na	IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	hospitalised	IgM	Sensitivity	0-10	0
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	na	IgM	Specificity	na	
Ab (ELISA)	Epitope Diagnostics, EPI-KT-1033 Coronavirus COVID-19 IgM ELISA Kit	na	IgM	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	mild/asymptomatic	IgA	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	mild/asymptomatic	IgA	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	0-7	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	8-10	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	11-14	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	15-21	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	22-28	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	hospitalised	IgA	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	na	IgA	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	na	IgA	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgA	na	IgA	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgA	Sensitivity	0-10	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgA	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	0-10	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	0-7	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	8-10	0
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	11-14	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	15-21	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	22-28	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	na	IgG	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	na	IgG	Specificity	na	
Ab (ELISA)	Eurofins, NovaLisa SARS-CoV-2 IgG	na	IgG	Specificity	na	

Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	unk	IgG or IgA	Sensitivity	>14	1
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	unk	IgG or IgA	Sensitivity	>10	1
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	na	IgG or IgA	Specificity	na	
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	na	IgG or IgA	Specificity	na	
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	na	IgG or IgA	Specificity	na	
Ab (ELISA)	Euroimmun Medizinische Labordiagnostika, Anti-SARS-CoV-2 IgG and IgA S1 ELISAs	na	IgG or IgA	Specificity	na	
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgG	Sensitivity	0-10	0
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgG	Sensitivity	>15	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	na	IgG	Specificity	na	
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	na	IgG	Specificity	na	
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgM	Sensitivity	0-10	0
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgM	Sensitivity	>15	1
Ab (LFA)	GritOverseas, DiagnoSure COVID-19 IgG/IgM rapid test cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	hospitalised	IgM	Sensitivity	7-14	0
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Guangdong Hecin Biotech, 2019-nCoV IgM Antibody Test Kit	na	IgM	Specificity	na	
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	hospitalised	IgG	Sensitivity	0-3	0
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	hospitalised	IgG	Sensitivity	4-7	0
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	hospitalised	IgG	Sensitivity	8-14	0
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	hospitalised	IgG	Sensitivity	>14	1
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	na	IgG	Specificity	na	
Ab (ELISA)	Guangzhou Darui Biotechnology, 2019 Novel Coronavirus (2019-nCoV) IgG Antibody Detection Kit (ELISA Method)	na	IgG	Specificity	na	

Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Guangzhou Wondfo Biotech, Wondfo SARS-CoV-2 Antibody Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-6	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	7-13	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>13	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	0-6	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	7-13	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>13	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	7-13	0
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>13	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Hangzhou Alltest Biotech, 2019-nCoV IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Hangzhou Biotest Biotech, Lumiratek COVID-19 IgG/IgM Hurgitgest kassett	mild/asymptomati c	IgG	Sensitivity	27-36	1
Ab (LFA)	Hangzhou Biotest Biotech, Lumiratek COVID-19 IgG/IgM Hurgitgest kassett	mild/asymptomati c	IgG	Sensitivity	>10	1
Ab (LFA)	Hangzhou Biotest Biotech, Lumiratek COVID-19 IgG/IgM Hurgitgest kassett	mild/asymptomati c	IgM	Sensitivity	27-36	1
Ab (LFA)	Hangzhou Biotest Biotech, Lumiratek COVID-19 IgG/IgM Hurgitgest kassett	mild/asymptomati c	IgM	Sensitivity	>10	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	8-10	0

Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Hangzhou Clongene Biotech, 2019-nCoV IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Hangzhoue Laihe Biotech, Novel coronavirus 2019nCoV) IgM/IgG Antibody Combo Test Kit	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	Hangzhoue Laihe Biotech, Novel coronavirus 2019nCoV) IgM/IgG Antibody Combo Test Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Hangzhoue Laihe Biotech, Novel coronavirus 2019nCoV) IgM/IgG Antibody Combo Test Kit	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	Hangzhoue Laihe Biotech, Novel coronavirus 2019nCoV) IgM/IgG Antibody Combo Test Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	hospitalised	IgG	Sensitivity	0-6	0
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	hospitalised	IgG	Sensitivity	7-14	0
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	hospitalised	IgG	Sensitivity	>14	1
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	na	IgG	Specificity	na	
Ab (ELISA)	ID.Vet, ID screen SARS-CoV-2-N IgG Indirect	na	IgG	Specificity	na	
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgG	Sensitivity	>10	1

Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	na	IgG	Specificity	na	
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	na	IgG	Specificity	na	
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	InTec Products, Rapid SARS-CoV-2 antibody (IgM/IgG) Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	>20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgG	Specificity	na	
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgG	Specificity	na	
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	>20	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgM	Specificity	na	
Ab (LFA)	Innovita Biological Technology, 2019-nCoV Ab Test (Colloidal Gold)	na	IgM	Specificity	na	
Ab (LFA)	Jiangsu Biopurfectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Jiangsu Biopurfectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	6-10	0

Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	>20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgG or IgM	Specificity	na	
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	>20	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Jiangsu Biopertectus Technologies, PerfectPOC Novel Corona Virus (SARS-CoV-2) IgM/IgG Rapid Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Jiangsu Medomics medical technology, A Rapid IgM-IgG Combined Antibody Test Kit for SARS-CoV-2	mild/asymptomatic	IgG	Sensitivity	27-36	1

Ab (LFA)	Jiangsu Medomics medical technology, A Rapid IgM-IgG Combined Antibody Test Kit for SARS-CoV-2	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Jiangsu Medomics medical technology, A Rapid IgM-IgG Combined Antibody Test Kit for SARS-CoV-2	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	Jiangsu Medomics medical technology, A Rapid IgM-IgG Combined Antibody Test Kit for SARS-CoV-2	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	LabOn Time, 2019-n-CoV IgG/IgM rapid test cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	LabOn Time, 2019-n-CoV IgG/IgM rapid test cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgG	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgG	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgM	Specificity	na	
Ab (LFA)	Liming Bio, StrongStep COVID-19 IgG/IgM Combo Test	na	IgM	Specificity	na	
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	0-5	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	6-10	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	11-15	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	16-20	1

Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	21-30	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	31-35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	>35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	0-5	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	6-10	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	11-15	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	16-20	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	21-30	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	31-35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	>35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	0-5	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	6-10	0
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	11-15	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	16-20	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	21-30	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	31-35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	>35	1
Ab (ELISA)	Lizhu, Recombinant nucleocapsid (rN) protein-based ELISA kit	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Maccura Biotechnology, SARS-CoV2 LFIA	unk	IgG or IgM	Sensitivity	0-6	0
Ab (LFA)	Maccura Biotechnology, SARS-CoV2 LFIA	unk	IgG or IgM	Sensitivity	>6	0
Ab (LFA)	Maccura Biotechnology, SARS-CoV2 LFIA	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Maccura Biotechnology, SARS-CoV2 LFIA	na	IgM	Specificity	na	
Ab (LFA)	Maccura Biotechnology, SARS-CoV2 LFIA	na	IgM	Specificity	na	
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2 IgG	mild/asymptomati c	IgG	Sensitivity	>10	1
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2 IgG	mild/asymptomati c	IgG	Sensitivity	>10	1
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	hospitalised	IgG	Sensitivity	0-10	0
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	hospitalised	IgG	Sensitivity	unk	0
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	na	IgG	Specificity	na	
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	na	IgG	Specificity	na	
Ab (ELISA)	Mikrogen Diagnostik, recomWell SARS-CoV-2	na	IgG	Specificity	na	
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM dual lane Ab Test Cassette	hospitalised	IgG	Sensitivity	>28	1

Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgG or IgM	Sensitivity	>28	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	>28	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Multi-G, COVID-19 IgG/IgM single lane Ab Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	unk	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	unk	IgG or IgM	Sensitivity	8-14	0
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	unk	IgG or IgM	Sensitivity	>14	1
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	na	IgG or IgM	Specificity	na	
Ab (LFA)	NG Biotech, NG-Test IgG-IgM COVID-19	na	IgG or IgM	Specificity	na	
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	0-10	0
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	11-20	1
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	21-30	1
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	31-40	1
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	41-50	1
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	na	IgG	Specificity	na	
Ab (LFA)	Ortho Clinical Diagnostics, VITROS Immunodiagnostic Products Anti-SARS-CoV-2	na	IgG	Specificity	na	
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgG	Sensitivity	unk	0
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgM	Sensitivity	unk	0
Ab (LFA)	PCL, PCL COVID19 IgG/IgM Rapid Gold	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	22-28	1

Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	PRIMA Lab, PRIMA COVID-19 IgG/IgM Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	>20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Premier, (unknown test name)	na	IgG	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	na	IgG	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Premier, (unknown test name)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	>20	1
Ab (LFA)	Premier, (unknown test name)	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Premier, (unknown test name)	na	IgM	Specificity	na	
Ab (LFA)	Premier, (unknown test name)	na	IgM	Specificity	na	
Ab (LFA)	RayBiotech, Novel Coronavirus (SARS-CoV-2) IgM/IgG Antibody Detection Kit	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	RayBiotech, Novel Coronavirus (SARS-CoV-2) IgM/IgG Antibody Detection Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	RayBiotech, Novel Coronavirus (SARS-CoV-2) IgM/IgG Antibody Detection Kit	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	RayBiotech, Novel Coronavirus (SARS-CoV-2) IgM/IgG Antibody Detection Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	mild/asymptomatic	total Ab	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	mild/asymptomatic	total Ab	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	hospitalised	total Ab	Sensitivity	0-10	0
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	hospitalised	total Ab	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	hospitalised	total Ab	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	0-10	0
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	11-20	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	21-30	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	31-40	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	41-50	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	18-52	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	unk	total Ab	Sensitivity	>10	1
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	na	total Ab	Specificity	na	
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	na	total Ab	Specificity	na	
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	na	total Ab	Specificity	na	
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	na	total Ab	Specificity	na	
Ab (CLIA)	Roche, Elecsys Anti-SARS-CoV-2	na	total Ab	Specificity	na	
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	mild/asymptomatic	IgG	Sensitivity	>10	1

Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgG	Sensitivity	0-10	0
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	na	IgG	Specificity	na	
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	na	IgG	Specificity	na	
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgM	Sensitivity	0-10	0
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Shanghai LiangRun Biomedicine Tech., Diagnostic kit IgM/IgG of Novel Coronavirus COVID-19	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	8-14	0
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (LFA)	Shanghai Outdo Biotech, Novel Coronavirus (SARS-CoV-2) Antibody (IgM / IgG) Test (Colloidal Gold)	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgG	Sensitivity	0-5	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgG	Sensitivity	6-10	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgG	Sensitivity	11-21	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	unk	IgG	Sensitivity	unk	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG	Specificity	na	

Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgM	Sensitivity	0-5	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgM	Sensitivity	6-10	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgM	Sensitivity	11-21	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	hospitalised	IgM	Sensitivity	>10	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	unk	IgM	Sensitivity	unk	0
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	unk	IgM	Sensitivity	>10	1
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen New Industries Biomedical Engineering, Maglumi 2019-nCoV (SARS-CoV-2) IgG/IgM kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgG	Sensitivity	8-17	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgG	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	0-9	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	10-19	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	20-29	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	30-39	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	40-50	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	0-10	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	11-14	1

Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgG	Sensitivity	>10	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgG	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgM	Sensitivity	8-17	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgM	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgM	Sensitivity	0-10	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgM	Sensitivity	11-14	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	hospitalised	IgM	Sensitivity	>10	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	unk	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	0-9	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	10-19	0
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	20-29	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	30-39	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	40-50	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	unk	IgM	Sensitivity	>10	1
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgM	Specificity	na	
Ab (CLIA)	Shenzhen Yahuilong (YHLO) Biotech, SARS-CoV-2 IgG/IgM antibody detection kit	na	IgM	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	>20	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	16-20	1

Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	>20	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Sure Bio-Tech, SARS-CoV-2 IgM/IgG Ab Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1

Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>28	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	SureScreen Diagnostic, Covid-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	>20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG	Sensitivity	>10	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	>20	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	unk	IgM	Sensitivity	>10	1
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	UCP Biosciences, Coronavirus IgG/IgM Antibody (COVID-19) Test Cassette	na	IgM	Specificity	na	
Ab (OTHER)	Viramed, SARS-CoV-2 ViraChip IgG	hospitalised	IgG	Sensitivity	unk	0
Ab (OTHER)	Viramed, SARS-CoV-2 ViraChip IgG	hospitalised	IgG	Sensitivity	>10	1
Ab (OTHER)	Viramed, SARS-CoV-2 ViraChip IgG	na	IgG	Specificity	na	

Ab (OTHER)	Viramed, SARS-CoV-2 ViraChip IgG	na	IgG	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	hospitalised	IgG	Sensitivity	0-10	0
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	hospitalised	IgG	Sensitivity	>14	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	hospitalised	IgG	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	na	IgG	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	na	IgG	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgG	na	IgG	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	mild/asymptomatic	IgM or IgA	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	mild/asymptomatic	IgM or IgA	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	hospitalised	IgM or IgA	Sensitivity	0-10	0
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	hospitalised	IgM or IgA	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	hospitalised	IgM or IgA	Sensitivity	>14	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	hospitalised	IgM or IgA	Sensitivity	>10	1
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	na	IgM or IgA	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	na	IgM or IgA	Specificity	na	
Ab (ELISA)	Vircell, COVID-19 ELISA IgM+IgA	na	IgM or IgA	Specificity	na	
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgG	Sensitivity	>1	0
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgG	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	na	IgG	Specificity	na	
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	na	IgG	Specificity	na	
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	mild/asymptomatic	IgM or IgA	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	mild/asymptomatic	IgM or IgA	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgM or IgA	Sensitivity	>1	0
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgM or IgA	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	hospitalised	IgM or IgA	Sensitivity	>10	1
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	na	IgM or IgA	Specificity	na	
Ab (CLIA)	Vircell, COVID-19 VIRCLIA	na	IgM or IgA	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	mild/asymptomatic	IgG	Sensitivity	>14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	0-3	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	4-8	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	9-14	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	15-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	21-30	1

Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	>30	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	unk	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	1-5	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	6-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	11-15	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	16-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	>20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	11-14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	0-3	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	4-8	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	9-14	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	15-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	21-30	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	>30	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	unk	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	1-5	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	6-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	11-15	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	16-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	>20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgG or IgM	Sensitivity	>10	1

Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgG or IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	mild/asymptomatic	IgM	Sensitivity	>14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	0-3	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	4-8	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	9-14	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	15-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	21-30	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	>30	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	unk	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	1-5	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	6-10	0
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	11-15	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	16-20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	>20	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	unk	IgM	Sensitivity	>10	1
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	VivaChek Biotech, VivaDiag COVID-19 IgM/IgG Rapid Test	na	IgM	Specificity	na	
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>14	1

Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>14	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Vomed, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	0-6	0
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	7-14	0
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	na	IgG	Specificity	na	
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgM	Sensitivity	0-6	0
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgM	Sensitivity	7-14	0
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgM	Sensitivity	>14	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Wuhan UNscience Biotechnology, Covid-19 IgG/IgM Antibody Rapid Test Kit	na	IgM	Specificity	na	
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgG	Sensitivity	0-10	0
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	na	IgG	Specificity	na	
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	na	IgG	Specificity	na	
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgM	Sensitivity	0-10	0

Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Xiamen Boson Biotech, Rapid 2019-nCoV IgG/IgM Combo Test Card	hospitalised	IgM	Sensitivity	>10	1
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	hospitalised	IgG or IgM	Sensitivity	unk	0
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	unk	IgG or IgM	Sensitivity	unk	0
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	unk	IgG or IgM	Sensitivity	>10	1
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	na	IgG or IgM	Specificity	na	
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	hospitalised	IgM	Sensitivity	unk	0
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	hospitalised	IgM	Sensitivity	>10	1
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	na	IgM	Specificity	na	
Ab (CLIA)	Xiamen Innodx Biotech, Antibody test kit for 2019-nCoV	na	IgM	Specificity	na	
Ab (LFA)	Zentech, QuickZen COVID-19 IgM / IgG	na	IgG or IgM	Specificity	na	
Ab (LFA)	Zentech, QuickZen COVID-19 IgM / IgG	na	IgG or IgM	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-14	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	0-7	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	8-10	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	11-14	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	15-21	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	22-28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgG	Sensitivity	9-17	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgG	Sensitivity	18-29	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgG	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	0-7	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	8-10	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	11-14	1

Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	15-21	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	22-28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgG or IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgG or IgM	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-14	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	0-7	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	8-10	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	11-14	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	15-21	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	22-28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>28	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	hospitalised	IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgM	Sensitivity	9-17	0
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgM	Sensitivity	18-29	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Zhejiang Orient Gene Biotech, COVID-19 IgG/IgM Rapid Test Cassette	na	IgM	Specificity	na	
Ab (LFA)	Zhuhai Encode Medical Engineering, SARS-CoV-2 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	27-36	1
Ab (LFA)	Zhuhai Encode Medical Engineering, SARS-CoV-2 IgG/IgM Rapid Test	mild/asymptomatic	IgG	Sensitivity	>10	1
Ab (LFA)	Zhuhai Encode Medical Engineering, SARS-CoV-2 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	27-36	1
Ab (LFA)	Zhuhai Encode Medical Engineering, SARS-CoV-2 IgG/IgM Rapid Test	mild/asymptomatic	IgM	Sensitivity	>10	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	hospitalised	IgG	Sensitivity	1-7	0
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	hospitalised	IgG	Sensitivity	8-14	0
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	hospitalised	IgG	Sensitivity	>14	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	hospitalised	IgG	Sensitivity	1-7	0
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	hospitalised	IgG	Sensitivity	8-14	0

Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	16-17	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	18-19	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	20-21	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	22-23	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	24-25	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	26-27	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	28-29	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	>29	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	unk	IgM	Sensitivity	>10	1
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	na	IgM	Specificity	na	
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	na	IgM	Specificity	na	
Ab (LFA)	Zhuhai Livzon Pharmaceutical Group, Diagnostic Kit for IgM / IgG Antibody to Coronavirus (SARS-CoV-2) (Lateral Flow)	na	IgM	Specificity	na	
Ag	Coris BioConcept, C-1023/TB Covid-19 Respi-Strip	unk	Ag	Sensitivity	na	
Ag	Coris BioConcept, C-1023/TB Covid-19 Respi-Strip	unk	Ag	Sensitivity	na	
Ag	Coris BioConcept, C-1023/TB Covid-19 Respi-Strip	unk	Ag	Sensitivity	unk	1
Ag	Coris BioConcept, C-1023/TB Covid-19 Respi-Strip	na	Ag	Specificity	na	
Ag	Coris BioConcept, C-1023/TB Covid-19 Respi-Strip	na	Ag	Specificity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	unk	Ag	Sensitivity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	unk	Ag	Sensitivity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	unk	Ag	Sensitivity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	unk	Ag	Sensitivity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	unk	Ag	Sensitivity	unk	1
Ag	RapiGEN, BioCredit COVID-19 Ag	na	Ag	Specificity	na	
Ag	RapiGEN, BioCredit COVID-19 Ag	na	Ag	Specificity	na	
Ag	Shenzhen Bioeasy Biotechnology, Bioeasy 2019-nCoV Ag Fluorescence Rapid Test Kit	unk	Ag	Sensitivity	na	
Ag	Shenzhen Bioeasy Biotechnology, Bioeasy 2019-nCoV Ag Fluorescence Rapid Test Kit	unk	Ag	Sensitivity	na	
Ag	Shenzhen Bioeasy Biotechnology, Bioeasy 2019-nCoV Ag Fluorescence Rapid Test Kit	unk	Ag	Sensitivity	unk	1
Ag	Shenzhen Bioeasy Biotechnology, Bioeasy 2019-nCoV Ag Fluorescence Rapid Test Kit	na	Ag	Specificity	na	
Ag	Shenzhen Bioeasy Biotechnology, Bioeasy 2019-nCoV Ag Fluorescence Rapid Test Kit	na	Ag	Specificity	na	
NAT	1drop, 1copy COVID-19 qPCR Multi Kit	unk	na	Sensitivity	na	
NAT	1drop, 1copy COVID-19 qPCR Multi Kit	unk	na	Sensitivity	unk	1
NAT	1drop, 1copy COVID-19 qPCR Multi Kit	na	na	Specificity	na	
NAT	1drop, 1copy COVID-19 qPCR Multi Kit	na	na	Specificity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	unk	E	Sensitivity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	unk	E	Sensitivity	unk	1

NAT	AB Analytica, RealQuality RQ-2019-nCoV	na	E	Specificity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	na	E	Specificity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	unk	RdRP	Sensitivity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	unk	RdRP	Sensitivity	unk	1
NAT	AB Analytica, RealQuality RQ-2019-nCoV	na	RdRP	Specificity	na	
NAT	AB Analytica, RealQuality RQ-2019-nCoV	na	RdRP	Specificity	na	
NAT	Abbott, ID NOW COVID-19	unk	na	Sensitivity	na	
NAT	Abbott, ID NOW COVID-19	unk	na	Sensitivity	na	
NAT	Abbott, ID NOW COVID-19	unk	na	Sensitivity	unk	1
NAT	Abbott, ID NOW COVID-19	na	na	Specificity	na	
NAT	Abbott, ID NOW COVID-19	na	na	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	E	Sensitivity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	E	Sensitivity	unk	1
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	E	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	E	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	S	Sensitivity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	S	Sensitivity	unk	1
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	S	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	S	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	na	Sensitivity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	na	Sensitivity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	unk	na	Sensitivity	unk	1
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	na	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	na	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	na	Specificity	na	
NAT	Altona Diagnostics, RealStar SARS-CoV-2 RT-PCR Kit 1.0	na	na	Specificity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	unk	na	Sensitivity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	unk	na	Sensitivity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	unk	na	Sensitivity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	unk	na	Sensitivity	unk	1
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	na	na	Specificity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	na	na	Specificity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	na	na	Specificity	na	
NAT	Anatolia Geneworks, Bosphore Novel Coronavirus (2019-nCoV) Detection Kit V2	na	na	Specificity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	unk	N	Sensitivity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	unk	N	Sensitivity	unk	1
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	na	N	Specificity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	na	N	Specificity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	unk	ORF1ab	Sensitivity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	unk	ORF1ab	Sensitivity	unk	1

NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	na	ORF1ab	Specificity	na	
NAT	Atila BioSystems, Atila iAMP COVID-19 Detection (isothermal detection)	na	ORF1ab	Specificity	na	
NAT	AusDiagnostics, Coronavirus Typing Assay (8-well)	na	na	Specificity	na	
NAT	AusDiagnostics, Coronavirus Typing Assay (8-well)	na	na	Specificity	na	
NAT	BD LAXLUO, BioGX SARS-CoV-2 Open System Reagents for BD MAX	unk	na	Sensitivity	na	
NAT	BD LAXLUO, BioGX SARS-CoV-2 Open System Reagents for BD MAX	unk	na	Sensitivity	unk	1
NAT	BD LAXLUO, BioGX SARS-CoV-2 Open System Reagents for BD MAX	na	na	Specificity	na	
NAT	BD LAXLUO, BioGX SARS-CoV-2 Open System Reagents for BD MAX	na	na	Specificity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	unk	ORF1	Sensitivity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	unk	ORF1	Sensitivity	unk	1
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	na	ORF1	Specificity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	na	ORF1	Specificity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	unk	na	Sensitivity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	unk	na	Sensitivity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	unk	na	Sensitivity	unk	1
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	na	na	Specificity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	na	na	Specificity	na	
NAT	BGI Health, Real-time fluorescent RT-PCR kit for detecting 2019 nCoV	na	na	Specificity	na	
NAT	BIOMAXIMA, SARS-CoV-2 Real Time PCR LAB-KIT	unk	na	Sensitivity	na	
NAT	BIOMAXIMA, SARS-CoV-2 Real Time PCR LAB-KIT	unk	na	Sensitivity	unk	1
NAT	BIOMAXIMA, SARS-CoV-2 Real Time PCR LAB-KIT	na	na	Specificity	na	
NAT	BIOMAXIMA, SARS-CoV-2 Real Time PCR LAB-KIT	na	na	Specificity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	unk	N	Sensitivity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	unk	N	Sensitivity	unk	1
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	na	N	Specificity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	na	N	Specificity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	unk	ORF1ab	Sensitivity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	unk	ORF1ab	Sensitivity	unk	1
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	na	ORF1ab	Specificity	na	
NAT	Beijing Wantai Biological Pharmacy Enterprise, Wantai SARS-CoV-2 RT-PCR Kit	na	ORF1ab	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	N	Sensitivity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	N	Sensitivity	unk	1
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	N	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	N	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	RdRP	Sensitivity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	RdRP	Sensitivity	unk	1
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	RdRP	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	RdRP	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	na	Sensitivity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	unk	na	Sensitivity	unk	1
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	na	Specificity	na	
NAT	BioMérieux, ARGENE SARS-CoV-2 R-GENE	na	na	Specificity	na	

NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	unk	E	Sensitivity	na	
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	unk	E	Sensitivity	unk	1
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	na	E	Specificity	na	
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	na	E	Specificity	na	
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	unk	RdRP	Sensitivity	na	
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	unk	RdRP	Sensitivity	unk	1
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	na	RdRP	Specificity	na	
NAT	Bioneer, AccuPower SARS-CoV-2 Real-Time RT-PCR Kit	na	RdRP	Specificity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	unk	E	Sensitivity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	unk	E	Sensitivity	unk	1
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	na	E	Specificity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	na	E	Specificity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	unk	RdRP	Sensitivity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	unk	RdRP	Sensitivity	unk	1
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	na	RdRP	Specificity	na	
NAT	Boditech, ExAmplar COVID-19 real-time PCR kit	na	RdRP	Specificity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	unk	na	Sensitivity	unk	1
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	na	Specificity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	na	Specificity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	na	Specificity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	na	Specificity	na	
NAT	Cepheid, GeneXpert Xpert Xpress SARS-CoV-2	na	na	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	N	Sensitivity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	N	Sensitivity	unk	1
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	N	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	N	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	ORF1ab	Sensitivity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	ORF1ab	Sensitivity	unk	1
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	ORF1ab	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	ORF1ab	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	na	Sensitivity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	na	Sensitivity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	na	Sensitivity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	unk	na	Sensitivity	unk	1
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	na	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	na	Specificity	na	
NAT	CerTest Biotech, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	na	Specificity	na	

NAT	CerTest Biotec, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	na	Specificity	na	
NAT	CerTest Biotec, VIASURE SARS-CoV-2 Real Time PCR Detection Kit	na	na	Specificity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	N	Sensitivity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	N	Sensitivity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	N	Sensitivity	unk	1
NAT	Da An Gene, 2019-nCoV RT-PCR	na	N	Specificity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	na	N	Specificity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	ORF1	Sensitivity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	ORF1	Sensitivity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	unk	ORF1	Sensitivity	unk	1
NAT	Da An Gene, 2019-nCoV RT-PCR	na	ORF1	Specificity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	na	ORF1	Specificity	na	
NAT	Da An Gene, 2019-nCoV RT-PCR	na	ORF1	Specificity	na	
NAT	DiaSorin, Simplexa COVID-19 Direct RT-PCR Kit	unk	na	Sensitivity	na	
NAT	DiaSorin, Simplexa COVID-19 Direct RT-PCR Kit	unk	na	Sensitivity	na	
NAT	DiaSorin, Simplexa COVID-19 Direct RT-PCR Kit	unk	na	Sensitivity	unk	1
NAT	Euroimmun Medizinische Labordiagnostika, EURORealTime SARS-CoV-2 PCR	unk	ORF1ab or N	Sensitivity	na	
NAT	Euroimmun Medizinische Labordiagnostika, EURORealTime SARS-CoV-2 PCR	unk	ORF1ab or N	Sensitivity	unk	1
NAT	Euroimmun Medizinische Labordiagnostika, EURORealTime SARS-CoV-2 PCR	na	ORF1ab or N	Specificity	na	
NAT	Euroimmun Medizinische Labordiagnostika, EURORealTime SARS-CoV-2 PCR	na	ORF1ab or N	Specificity	na	
NAT	GenMark Diagnostics, ePlex SARS-CoV-2 Test	unk	na	Sensitivity	na	
NAT	GenMark Diagnostics, ePlex SARS-CoV-2 Test	unk	na	Sensitivity	unk	1
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	unk	N	Sensitivity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	unk	N	Sensitivity	unk	1
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	N	Specificity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	N	Specificity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	unk	ORF1	Sensitivity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	unk	ORF1	Sensitivity	unk	1
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	ORF1	Specificity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	ORF1	Specificity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	na	Specificity	na	
NAT	GeneFirst, The Novel Coronavirus (2019-nCoV) Nucleic Acid Test Kit	na	na	Specificity	na	
NAT	Genetic Signatures, EasyScreen Pan-Coronavirus/SARS-CoV-2 Detection Kit	na	na	Specificity	na	
NAT	Genetic Signatures, EasyScreen Pan-Coronavirus/SARS-CoV-2 Detection Kit	na	na	Specificity	na	
NAT	Gerbion, virellaSARS-CoV-2 seqc Multiplex for detection of RNA of SARS-CoV-2 and other Betacoronaviruses	unk	na	Sensitivity	na	
NAT	Gerbion, virellaSARS-CoV-2 seqc Multiplex for detection of RNA of SARS-CoV-2 and other Betacoronaviruses	unk	na	Sensitivity	unk	1
NAT	Gerbion, virellaSARS-CoV-2 seqc Multiplex for detection of RNA of SARS-CoV-2 and other Betacoronaviruses	na	na	Specificity	na	
NAT	Gerbion, virellaSARS-CoV-2 seqc Multiplex for detection of RNA of SARS-CoV-2 and other Betacoronaviruses	na	na	Specificity	na	
NAT	Hologic, Aptima SARS-CoV-2 Assay (Panther System)	unk	na	Sensitivity	na	
NAT	Hologic, Aptima SARS-CoV-2 Assay (Panther System)	unk	na	Sensitivity	na	

NAT	Hologic, Aptima SARS-CoV-2 Assay (Panther System)	unk	na	Sensitivity	unk	1
NAT	Hologic, Aptima SARS-CoV-2 Assay (Panther System)	na	na	Specificity	na	
NAT	Hologic, Aptima SARS-CoV-2 Assay (Panther System)	na	na	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	RdRP	Sensitivity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	RdRP	Sensitivity	unk	1
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	RdRP	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	RdRP	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	S	Sensitivity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	S	Sensitivity	unk	1
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	S	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	S	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	na	Sensitivity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	unk	na	Sensitivity	unk	1
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	na	Specificity	na	
NAT	KH Medical, RADI COVID-19 Detection Kit and RADI COVID-19 Triple Detection Kit	na	na	Specificity	na	
NAT	Liferiver Bio-Tech, Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit	unk	na	Sensitivity	na	
NAT	Liferiver Bio-Tech, Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit	unk	na	Sensitivity	unk	1
NAT	Liferiver Bio-Tech, Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit	na	na	Specificity	na	
NAT	Liferiver Bio-Tech, Novel Coronavirus (2019-nCoV) Real Time Multiplex RT-PCR kit	na	na	Specificity	na	
NAT	Mesa Biotech, Accula RSV Molecular POCT	unk	N	Sensitivity	na	
NAT	Mesa Biotech, Accula RSV Molecular POCT	unk	N	Sensitivity	unk	1
NAT	Nanjing Vazyme Medical Technology, 2019-Novel Coronavirus (2019-nCoV) Triplex RT-qPCR Detection Kit	unk	na	Sensitivity	na	
NAT	Nanjing Vazyme Medical Technology, 2019-Novel Coronavirus (2019-nCoV) Triplex RT-qPCR Detection Kit	unk	na	Sensitivity	unk	1
NAT	Nanjing Vazyme Medical Technology, 2019-Novel Coronavirus (2019-nCoV) Triplex RT-qPCR Detection Kit	na	na	Specificity	na	
NAT	Nanjing Vazyme Medical Technology, 2019-Novel Coronavirus (2019-nCoV) Triplex RT-qPCR Detection Kit	na	na	Specificity	na	
NAT	PathoFinder, RealAccurate Quadruplex Coronavirus PCR Kit	unk	na	Sensitivity	na	
NAT	PathoFinder, RealAccurate Quadruplex Coronavirus PCR Kit	unk	na	Sensitivity	unk	1
NAT	PathoFinder, RealAccurate Quadruplex Coronavirus PCR Kit	na	na	Specificity	na	
NAT	PathoFinder, RealAccurate Quadruplex Coronavirus PCR Kit	na	na	Specificity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	unk	N	Sensitivity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	unk	N	Sensitivity	unk	1
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	na	N	Specificity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	na	N	Specificity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	unk	ORF1	Sensitivity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	unk	ORF1	Sensitivity	unk	1
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	na	ORF1	Specificity	na	
NAT	PerkinElmer, SARS-CoV-2 Real-time RT-PCR	na	ORF1	Specificity	na	

NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	unk	RdRP	Sensitivity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	unk	RdRP	Sensitivity	unk	1
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	RdRP	Specificity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	RdRP	Specificity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	unk	na	Sensitivity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	unk	na	Sensitivity	unk	1
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	na	Specificity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	na	Specificity	na	
NAT	Primerdesign, genesig Real-Time PCR COVID-19 kit	na	na	Specificity	na	
NAT	Qiagen, QIAstat-Dx Respiratory SARS-CoV-2 Panel	hospitalised	na	Sensitivity	na	
NAT	Qiagen, QIAstat-Dx Respiratory SARS-CoV-2 Panel	hospitalised	na	Sensitivity	unk	1
NAT	R-Biopharm, Ridagene SARS-CoV2	unk	E	Sensitivity	na	
NAT	R-Biopharm, Ridagene SARS-CoV2	unk	E	Sensitivity	unk	1
NAT	R-Biopharm, Ridagene SARS-CoV2	na	E	Specificity	na	
NAT	R-Biopharm, Ridagene SARS-CoV2	na	E	Specificity	na	
NAT	R-Biopharm, Ridagene SARS-CoV2	unk	na	Sensitivity	na	
NAT	R-Biopharm, Ridagene SARS-CoV2	unk	na	Sensitivity	unk	1
NAT	R-Biopharm, Ridagene SARS-CoV2	na	na	Specificity	na	
NAT	R-Biopharm, Ridagene SARS-CoV2	na	na	Specificity	na	
NAT	Randox Laboratories, Extended Coronavirus	na	na	Specificity	na	
NAT	Randox Laboratories, Extended Coronavirus	na	na	Specificity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	unk	na	Sensitivity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	unk	na	Sensitivity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	unk	na	Sensitivity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	unk	na	Sensitivity	unk	1
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	na	na	Specificity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	na	na	Specificity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	na	na	Specificity	na	
NAT	Roche Diagnostics, COBAS SARS-CoV-2 test	na	na	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	hospitalised	E	Sensitivity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	hospitalised	E	Sensitivity	unk	1
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	E	Sensitivity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	E	Sensitivity	unk	1
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	E	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	E	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	E	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	N	Sensitivity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	N	Sensitivity	unk	1
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	N	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	N	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	RdRP	Sensitivity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	unk	RdRP	Sensitivity	unk	1
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	RdRP	Specificity	na	
NAT	Roche, LightMix Modular SARS-CoV E/N/RdRP	na	RdRP	Specificity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	E	Sensitivity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	E	Sensitivity	unk	1
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	E	Specificity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	E	Specificity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	ORF1	Sensitivity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	ORF1	Sensitivity	unk	1
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	ORF1	Specificity	na	

NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	ORF1	Specificity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	na	Sensitivity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	unk	na	Sensitivity	unk	1
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	na	Specificity	na	
NAT	SD BioSensor, Standard M nCoV Real-Time Detection Kit	na	na	Specificity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	unk	N	Sensitivity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	unk	N	Sensitivity	unk	1
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	na	N	Specificity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	na	N	Specificity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	unk	ORF1	Sensitivity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	unk	ORF1	Sensitivity	unk	1
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	na	ORF1	Specificity	na	
NAT	Sansure Biotech, 2019-nCoV nucleic acid diagnostic kit	na	ORF1	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	E	Sensitivity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	E	Sensitivity	unk	1
NAT	Seegene, Allplex 2019-nCoV assay	na	E	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	na	E	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	N	Sensitivity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	N	Sensitivity	unk	1
NAT	Seegene, Allplex 2019-nCoV assay	na	N	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	na	N	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	RdRP	Sensitivity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	RdRP	Sensitivity	unk	1
NAT	Seegene, Allplex 2019-nCoV assay	na	RdRP	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	na	RdRP	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	na	Sensitivity	na	
NAT	Seegene, Allplex 2019-nCoV assay	unk	na	Sensitivity	unk	1
NAT	Seegene, Allplex 2019-nCoV assay	na	na	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	na	na	Specificity	na	
NAT	Seegene, Allplex 2019-nCoV assay	na	na	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	E	Sensitivity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	E	Sensitivity	unk	1
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	E	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	E	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	N	Sensitivity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	N	Sensitivity	unk	1
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	N	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	N	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	ORF1	Sensitivity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	unk	ORF1	Sensitivity	unk	1
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	ORF1	Specificity	na	
NAT	Shanghai Kehua Bio-Engineering, KHB Diagnostic kit for SARS-CoV-2 Nucleic Acid (Real-time PCR)	na	ORF1	Specificity	na	
NAT	SolGent, DiaPlexQ Novel Coronavirus (2019-nCoV) Detection Kit	unk	na	Sensitivity	na	

NAT	SolGent, DiaPlexQ Novel Coronavirus (2019-nCoV) Detection Kit	unk	na	Sensitivity	unk	1
NAT	SolGent, DiaPlexQ Novel Coronavirus (2019-nCoV) Detection Kit	na	na	Specificity	na	
NAT	SolGent, DiaPlexQ Novel Coronavirus (2019-nCoV) Detection Kit	na	na	Specificity	na	
NAT	ThermoFisher, TaqPath COVID-19 CE-IVD RT-PCR Kit V2	unk	ORF1ab or S or N	Sensitivity	na	
NAT	ThermoFisher, TaqPath COVID-19 CE-IVD RT-PCR Kit V2	unk	ORF1ab or S or N	Sensitivity	unk	1
NAT	ThermoFisher, TaqPath COVID-19 CE-IVD RT-PCR Kit V2	na	ORF1ab or S or N	Specificity	na	
NAT	ThermoFisher, TaqPath COVID-19 CE-IVD RT-PCR Kit V2	na	ORF1ab or S or N	Specificity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	unk	E	Sensitivity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	unk	E	Sensitivity	unk	1
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	na	E	Specificity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	na	E	Specificity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	unk	na	Sensitivity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	unk	na	Sensitivity	unk	1
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	na	na	Specificity	na	
NAT	Tibmolbiol, SARS-CoV (COVID19) E-gene	na	na	Specificity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	unk	ORF1	Sensitivity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	unk	ORF1	Sensitivity	unk	1
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	na	ORF1	Specificity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	na	ORF1	Specificity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	unk	RdRP	Sensitivity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	unk	RdRP	Sensitivity	unk	1
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	na	RdRP	Specificity	na	
NAT	Vela Diagnostics, ViroKey SARS-CoV-2 RT-PCR Test	na	RdRP	Specificity	na	

IsPooled	N	NCorrect	Proportion	CL_LB	CL_UB	Source	Countries	NCountries
0	14	5	35.7	16.3	61.2	95	FR	1
0	42	23	54.8	40.0	68.8	95	FR	1
0	44	36	81.8	68.0	90.5	95	FR	1
0	34	34	100.0	89.9	100.0	95	FR	1
1	78	70	89.7	81.0	94.7	95	FR	1
0	20	2	10.0	2.8	30.1	95	FR	1
0	42	25	59.5	4.3	71.6	95	FR	1
0	39	27	69.2	53.6	81.4	95	FR	1
0	48	48	100.0	92.6	100.0	95	FR	1
1	87	75	86.2	77.4	91.9	95	FR	1
0	81	72	88.9	80.2	94.1	2	NL	1
1	81	72	88.9	80.2	94.0	2	NL	1
0	24	11	45.8	27.9	64.9	2	NL	1
0	48	46	95.8	86.0	98.8	2	NL	1
0	1	1	100.0	20.7	100.0	106	BE	1
0	25	23	92.0	75.0	97.8	106	BE	1
1	74	70	94.6	86.9	97.9	2, 106	BE, NL	2
0	4	0	0.0	0.0	49.0	1	UK	1
0	8	2	25.0	7.1	59.1	1	UK	1
0	22	19	86.4	66.7	95.3	1	UK	1
0	88	88	100.0	95.8	100.0	1	UK	1
0	20	17	85.0	64.0	94.8	32	SE	1
0	32	15	46.9	30.9	63.6	83	FR	1
0	29	20	69.0	50.8	82.8	83	FR	1
0	82	82	100.0	95.5	100.0	83	FR	1
0	13	11	84.6	57.8	95.7	108	FI	1
0	9	9	100.0	70.1	100.0	108	FI	1
0	30	28	93.3	78.7	98.2	108	FI	1
0	12	0	0.0	0.0	24.3	118	US	1
0	20	6	30.0	14.5	51.9	118	US	1
0	23	11	47.8	29.2	67.0	118	US	1
0	48	45	93.8	83.2	97.9	118	US	1
1	290	280	96.6	93.8	98.1	1, 32, 83, 108, 118	FI, FR, SE, UK, US	5
0	1070	1066	99.6	99.0	99.9	1	UK	1
0	138	138	100.0	97.3	100.0	2	NL	1
0	1010	1009	99.9	99.4	100.0	22	US	1
0	113	113	100.0	96.7	100.0	32	SE	1
0	95	94	99.3	94.9	99.9	83	FR	1
0	39	39	100.0	91.0	100.0	106	BE	1
0	402	402	100.0	99.1	100.0	108	FI	1
0	153	152	99.3	96.4	99.9	118	US	1
1	3020	3013	99.8	99.5	99.9	1, 2, 22, 32, 83, 106, 108, 118	BE, FI, FR, NL, SE, UK, US	7
0	9	0	0.0	0.0	29.9	120	FR	1
0	13	5	38.5	17.7	64.5	120	FR	1
0	13	11	84.6	57.8	95.7	120	FR	1
1	13	11	84.6	57.8	95.7	120	FR	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	9	1	11.1	2.0	43.5	120	FR	1
0	13	11	84.6	57.8	95.7	120	FR	1
0	12	11	91.7	64.6	98.5	120	FR	1
1	12	11	91.7	64.6	98.5	120	FR	1

0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	12	7	58.3	31.9	80.7	3	NL	1
0	23	20	87.0	75.0	94.0	4	NO	1
1	35	27	77.1	61.0	87.9	3,4	NL,NO	2
0	27	17	63.0	44.3	78.5	3	NL	1
0	38	35	92.1	79.2	97.3	3	NL	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	13	10	76.9	49.7	91.8	120	FR	1
0	15	13	86.7	62.1	96.3	120	FR	1
1	53	48	90.6	79.7	95.9	3,120	FR,NL	2
0	50	49	98.0	89.5	99.6	3	NL	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	70	69	98.6	92.3	99.7	3,120	FR,NL	2
0	5	4	80.0	37.6	96.4	49	DK	1
1						49		0
0	15	12	80.0	54.8	93.0	49	DK	1
1	15	12	80.0	54.8	93.0	49	DK	1
0	12	7	58.3	31.9	80.7	3	NL	1
0	23	12	52.0	39.0	65.0	4	NO	1
1	35	19	54.3	38.2	69.5	3,4	NL,NO	2
0	27	13	48.1	30.7	66.0	3	NL	1
0	38	12	31.6	19.1	47.5	3	NL	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	13	6	46.2	23.2	70.9	120	FR	1
0	13	10	76.9	49.7	91.8	120	FR	1
1	51	22	43.1	30.5	56.7	3,120	FR,NL	2
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	27	6	22.2	10.6	40.8	125	US	1
0	36	18	50.0	34.5	65.5	125	US	1
0	35	21	60.0	43.6	74.4	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1

1	67	45	67.2	55.3	77.2	125	US	1
0	108	107	99.1	95.0	100.0	125	US	1
1	108	107	99.1	94.9	99.8	125	US	1
0	27	12	44.4	27.6	62.7	125	US	1
0	36	28	77.8	61.9	88.3	125	US	1
0	35	28	80.0	64.1	90.0	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	55	82.1	71.3	89.4	125	US	1
0	108	91	84.3	76.0	90.6	125	US	1
1	108	91	84.3	76.2	89.9	125	US	1
0	27	12	44.4	27.6	62.7	125	US	1
0	36	28	77.8	61.9	88.3	125	US	1
0	35	28	80.0	64.1	90.0	125	US	1
0	21	16	76.2	54.9	89.4	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	54	80.6	69.6	88.3	125	US	1
0	108	91	84.3	76.0	90.6	125	US	1
1	108	91	84.3	76.2	89.9	125	US	1
0	90	3	3.3	1.1	9.3	41	JP	1
0	25	2	8.0	2.2	25.0	41	JP	1
0	24	15	62.5	42.7	78.8	41	JP	1
1	24	15	62.5	42.7	78.8	41	JP	1
0	49	49	100.0	92.7	100.0	41	JP	1
1	49	49	100.0	92.7	100.0	41	JP	1
0	90	25	27.8	19.6	37.8	41	JP	1
0	25	12	48.0	30.0	66.5	41	JP	1
0	24	23	95.8	79.8	99.3	41	JP	1
0	7	5	71.4	35.9	91.8	49	DK	1
0	15	12	80.0	54.8	93.0	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
1	47	43	91.5	80.1	96.6	41, 49	DK, JP	2
0	49	49	100.0	92.7	100.0	41	JP	1
0	17	17	100.0	81.6	100.0	49	DK	1

1	66	66	100.0	94.5	100.0	41,49	DK, JP	2
0	90	25	27.8	19.6	37.8	41	JP	1
0	25	12	48.0	30.0	66.5	41	JP	1
0	24	23	95.8	79.8	99.3	41	JP	1
1	24	23	95.8	79.8	99.3	41	JP	1
0	49	48	98.0	89.3	99.6	41	JP	1
1	49	48	98.0	89.3	99.6	41	JP	1
0	7	6	85.7	48.7	97.4	49	DK	1
0	15	14	93.3	70.2	98.8	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
1	23	22	95.7	79.0	99.2	49	DK	1
0	32	32	100.0	89.3	100.0	49	DK	1
1	32	32	100.0	89.3	100.0	49	DK	1
0	72	69	95.8	88.5	98.6	64	BE	1
1	72	69	95.8	88.5	98.6	64	BE	1
0	31	24	77.4	60.2	88.6	63	CN, US	2
0	294	103	35.0	29.8	40.6	63	CN, US	2
0	9	9	100.0	70.1	100.0	63	CN, US	2
0	118	109	92.4	86.1	95.9	63	CN, US	2
1	127	118	92.9	87.1	96.2	63	CN, US	2
0	41	41	100.0	91.4	100.0	63	CN, US	2
0	1397	1396	99.9	99.6	100.0	63	CN, US	2
1	1438	1437	99.9	99.6	100.0	63	CN, US	2
0	31	24	77.4	60.2	88.6	63	CN, US	2
0	294	134	45.6	40.0	51.3	63	CN, US	2
0	9	9	100.0	70.1	100.0	63	CN, US	2
0	118	111	94.1	88.3	97.1	63	CN, US	2
1	127	120	94.5	89.1	97.3	63	CN, US	2
0	31	24	77.4	60.2	88.6	63	CN, US	2
0	294	133	45.2	39.6	51.0	63	CN, US	2
0	9	9	100.0	70.1	100.0	63	CN, US	2
0	118	111	94.1	88.3	97.1	63	CN, US	2
1	127	120	94.5	89.1	97.3	63	CN, US	2
0	41	40	97.6	87.1	99.9	63	CN, US	2
0	1397	1386	99.2	98.6	99.6	63	CN, US	2
1	1438	1426	99.2	98.5	99.5	63	CN, US	2
0	23	19	82.6	62.9	93.0	115	IT	1

1						115		0
0	14	13	92.9	68.5	98.7	115	IT	1
1	14	13	92.9	68.5	98.7	115	IT	1
0	22	9	40.9	23.3	61.3	55	CN	1
0	38	19	50.0	34.8	65.2	55	CN	1
0	54	41	75.9	63.1	85.4	55	CN	1
0	55	51	92.7	82.7	97.1	55	CN	1
0	32	27	84.4	68.2	93.1	55	CN	1
0	6	5	83.3	43.6	97.0	55	CN	1
0	7	7	100.0	64.6	100.0	55	CN	1
1	154	131	85.1	78.6	89.8	55	CN	1
0	22	10	45.5	26.9	65.3	55	CN	1
0	38	23	60.5	44.7	74.4	55	CN	1
0	54	49	90.7	80.1	96.0	55	CN	1
0	55	53	96.4	87.7	99.0	55	CN	1
0	32	28	87.5	71.9	95.0	55	CN	1
0	6	6	100.0	61.0	100.0	55	CN	1
0	7	7	100.0	64.6	100.0	55	CN	1
1	154	143	92.9	87.7	96.0	55	CN	1
0	22	8	36.4	19.7	57.0	55	CN	1
0	38	19	50.0	34.8	65.2	55	CN	1
0	54	45	83.3	71.3	91.0	55	CN	1
0	55	53	96.4	87.7	99.0	55	CN	1
0	32	28	87.5	71.9	95.0	55	CN	1
0	6	6	100.0	61.0	100.0	55	CN	1
0	7	6	85.7	48.7	97.4	55	CN	1
1	154	138	89.6	83.8	93.5	55	CN	1
0	80	78	97.5	91.3	99.3	59	CN	1
1						59		0
0	209	208	99.5	97.3	99.9	59	CN	1
1	209	208	99.5	97.3	99.9	59	CN	1
0	80	78	97.5	91.3	99.3	59	CN	1
1						59		0
0	209	199	95.2	91.4	97.4	59	CN	1

1	209	199	95.2	91.4	97.4	59	CN	1
0	80	69	86.3	77.0	92.1	59	CN	1
1						59		0
0	209	199	95.2	91.4	97.4	59	CN	1
1	209	199	95.2	91.4	97.4	59	CN	1
0	2	2	100.0	34.2	100.0	3	NL	1
0	23	12	52.0	39.0	65.0	4	NO	1
1	25	14	56.0	37.1	73.3	3,4	NL,NO	2
0	30	16	53.3	36.1	69.7	3	NL	1
0	27	27	100.0	87.5	100.0	3	NL	1
0	80	71	88.8	80.0	94.0	59	CN	1
1	27	27	100.0	87.5	100.0	3	NL	1
0	209	205	98.1	95.2	99.3	59	CN	1
1	209	205	98.1	95.2	99.3	59	CN	1
0	70	65	93.2	84.8	97.1	2	NL	1
1	70	65	92.9	84.3	96.9	2	NL	1
0	80	51	63.8	52.9	73.5	2	NL	1
0	50	49	98.0	89.5	99.6	2	NL	1
0	12	12	100.0	75.7	100.0	2	NL	1
0	127	125	98.4	94.4	99.6	2	NL	1
0	70	60	85.7	75.6	92.0	2	NL	1
0	39	13	33.3	20.6	49.0	59	CN	1
0	75	65	86.7	77.2	92.6	59	CN	1
0	60	58	96.7	88.6	99.1	59	CN	1
0	94	27	28.7	20.6	38.6	137	CN	1
0	135	99	73.3	65.3	80.1	137	CN	1
0	88	83	94.3	87.4	97.5	137	CN	1
1	345	326	94.5	91.6	96.4	2, 59, 137	CN, NL	2
0	297	287	96.6	93.9	98.1	2	NL	1
0	300	300	100.0	98.7	100.0	59	CN	1
0	213	210	98.6	95.9	99.5	137	CN	1
1	810	797	98.4	97.3	99.1	2, 59, 137	CN, NL	2
0	242	229	94.6	91.0	96.8	2	NL	1
1	242	229	94.6	91.0	96.8	2	NL	1

0	34	14	41.2	26.4	57.8	2	NL	1
0	213	153	71.8	65.4	77.4	2	NL	1
0	50	49	98.0	89.5	99.6	2	NL	1
0	36	27	75.0	58.9	86.2	2	NL	1
0	495	484	97.8	96.1	98.8	2	NL	1
0	441	439	99.5	98.3	99.9	2	NL	1
0	7	5	71.4	35.9	91.8	49	DK	1
0	15	15	100.0	79.6	100.0	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
0	39	25	64.1	48.4	77.3	59	CN	1
0	75	74	98.7	92.8	99.8	59	CN	1
0	60	60	100.0	94.0	100.0	59	CN	1
0	94	36	38.3	29.1	48.4	137	CN	1
0	135	121	89.6	83.3	93.7	137	CN	1
0	90	90	100.0	95.9	100.0	137	CN	1
1	1109	1096	98.8	98.0	99.3	2, 49, 59, 137	CN, DK, NL	3
0	1173	1166	99.4	98.8	99.7	2	NL	1
0	82	82	100.0	95.5	100.0	49	DK	1
0	300	300	100.0	98.7	100.0	59	CN	1
0	213	211	99.1	96.6	99.7	137	CN	1
1	1768	1759	99.5	99.0	99.7	2, 49, 59, 137	CN, DK, NL	3
0	83	74	89.2	80.7	94.2	2	NL	1
1	83	74	89.2	80.7	94.2	2	NL	1
0	27	16	59.3	40.8	75.5	2	NL	1
0	29	27	93.1	78.0	98.1	2	NL	1
1	29	27	93.1	78.0	98.1	2	NL	1
0	21	9	42.9	24.5	63.5	109	LU	1
1					109			0
0	122	115	94.3	88.7	97.2	2	NL	1
0	21	21	100.0	84.5	100.0	109	LU	1
1	143	136	95.1	90.2	97.6	2, 109	LU, NL	2
0	26	6	23.1	11.0	42.1	125	US	1
0	36	19	52.8	37.0	68.0	125	US	1
0	34	23	67.6	50.8	80.9	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	66	46	69.7	57.8	79.4	125	US	1
0	107	103	96.3	90.7	99.0	125	US	1

1	107	103	96.3	90.8	98.5	125	US	1
0	26	8	30.8	16.5	50.0	125	US	1
0	36	23	63.9	47.6	77.5	125	US	1
0	34	26	76.5	60.0	87.6	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	66	52	78.8	67.5	86.9	125	US	1
0	107	93	86.9	79.0	92.7	125	US	1
1	107	93	86.9	79.2	92.0	125	US	1
0	26	7	26.9	13.7	46.1	125	US	1
0	36	22	61.1	44.9	75.2	125	US	1
0	34	25	73.5	56.9	85.4	125	US	1
0	21	16	76.2	54.9	89.4	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	66	50	75.8	64.2	84.5	125	US	1
0	107	94	87.9	80.1	93.4	125	US	1
1	107	94	87.9	80.3	92.8	125	US	1
0	14	12	85.7	60.1	96.0	17	US	1
1	14	12	85.7	60.1	96.0	17	US	1
0	24	23	95.8	79.8	99.3	17	US	1
1	24	23	95.8	79.8	99.3	17	US	1
0	14	13	92.9	68.5	98.7	17	US	1
1	14	13	92.9	68.5	98.7	17	US	1
0	24	22	91.7	74.2	97.7	17	US	1
1	24	22	91.7	74.2	97.7	17	US	1
0	14	6	42.9	21.4	67.4	17	US	1
1	14	6	42.9	21.4	67.4	17	US	1
0	24	22	91.7	74.2	97.7	17	US	1
1	24	22	91.7	74.2	97.7	17	US	1
0	10	6	60.0	31.3	83.2	3	NL	1
1	10	6	60.0	31.3	83.2	3	NL	1
0	7	4	57.1	25.0	84.2	3	NL	1
0	6	6	100.0	61.0	100.0	3	NL	1
1	6	6	100.0	61.0	100.0	3	NL	1
0	25	25	100.0	86.7	100.0	3	NL	1
1	25	25	100.0	86.7	100.0	3	NL	1
0	10	0	0.0	0.0	27.8	3	NL	1

1	10	0	0.0	0.0	27.8	3	NL	1
0	7	3	42.9	15.8	75.0	3	NL	1
0	6	1	16.7	3.0	56.4	3	NL	1
1	6	1	16.7	3.0	56.4	3	NL	1
0	50	43	86.0	73.8	93.1	124	CN	1
1						124		0
0	130	126	96.9	92.4	98.8	124	CN	1
1	130	126	96.9	92.4	98.8	124	CN	1
0	50	41	82.0	69.2	90.2	124	CN	1
1						124		0
0	130	122	93.8	88.3	96.9	124	CN	1
1	130	122	93.8	88.3	96.8	124	CN	1
0	85	34	40.0	30.2	50.6	3	NL	1
0	73	66	90.4	81.5	95.3	3	NL	1
1	73	66	90.4	81.5	95.3	3	NL	1
0	53	53	100.0	93.2	100.0	3	NL	1
1	53	53	100.0	93.2	100.0	3	NL	1
0	85	53	62.4	51.8	72.0	3	NL	1
0	73	66	90.4	81.5	95.3	3	NL	1
1	73	66	90.4	81.5	95.3	3	NL	1
0	21	18	85.7	65.3	95.0	3	NL	1
1	21	18	85.7	65.4	95.0	3	NL	1
0	99	51	51.5	41.8	61.1	3	NL	1
0	86	83	96.5	90.2	98.8	3	NL	1
1	86	83	96.5	90.2	98.8	3	NL	1
0	460	451	98.0	96.3	98.9	3	NL	1
1	460	451	98.0	96.3	99.0	3	NL	1
0	45	37	82.2	68.6	90.7	3	NL	1
1	45	37	82.2	68.7	90.7	3	NL	1
0	21	6	28.6	13.8	50.0	3	NL	1
1	21	6	28.6	13.8	50.0	3	NL	1
0	99	46	46.5	37.0	56.3	3	NL	1
0	87	45	51.7	41.4	61.9	3	NL	1
1	87	45	51.7	41.4	61.9	3	NL	1
0	23	19	83.0	70.0	91.0	4	NO	1
1	23	19	82.6	62.9	93.0	4	NO	1
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	6	21.4	10.2	39.5	5	AU	1
0	21	6	28.6	13.8	50.0	5	AU	1
0	9	6	66.7	35.4	87.9	5	AU	1
0	27	23	85.2	67.5	94.1	5	AU	1

0	30	23	76.7	59.1	88.2	5	AU	1
1	66	52	78.8	67.5	86.9	5	AU	1
0	92	91	98.9	94.1	99.8	5	AU	1
1	92	91	98.9	94.1	99.8	5	AU	1
0	7	5	71.4	35.9	91.8	49	DK	1
0	15	14	93.3	70.2	98.8	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
1	23	22	95.7	79.0	99.2	49	DK	1
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	10	35.7	20.7	54.2	5	AU	1
0	21	12	57.1	36.5	75.5	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1
0	27	24	88.9	71.9	96.1	5	AU	1
0	30	25	83.3	66.4	92.7	5	AU	1
1	66	56	84.8	74.3	91.6	5	AU	1
0	92	88	95.6	89.3	98.3	5	AU	1
0	32	32	100.0	89.3	100.0	49	DK	1
1	124	120	96.8	92.0	98.7	5, 49	AU, DK	2
0	23	20	87.0	75.0	94.0	4	NO	1
1	23	20	87.0	67.9	95.5	4	NO	1
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	10	35.7	20.7	54.2	5	AU	1
0	21	12	57.1	36.5	75.5	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1
0	27	20	74.1	55.3	86.8	5	AU	1
0	30	19	63.3	45.5	78.1	5	AU	1
1	66	46	69.7	57.8	79.4	5	AU	1
0	92	89	96.7	90.8	98.9	5	AU	1
1	92	89	96.7	90.8	98.9	5	AU	1
0	11	6	54.5	28.0	78.7	3	NL	1
1	11	6	54.5	28.0	78.7	3	NL	1
0	76	44	57.9	46.7	68.4	3	NL	1
0	31	30	96.8	83.8	99.4	3	NL	1
1	31	30	96.8	83.8	99.4	3	NL	1
0	57	54	94.7	85.6	98.2	3	NL	1
1	57	54	94.7	85.6	98.2	3	NL	1
0	11	6	54.5	28.0	78.7	3	NL	1

1	11	6	54.5	28.0	78.7	3	NL	1
0	76	49	64.5	53.3	74.3	3	NL	1
0	31	30	96.8	83.8	99.4	3	NL	1
1	31	30	96.8	83.8	99.4	3	NL	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	4	28.6	11.7	54.6	120	FR	1
0	15	12	80.0	54.8	93.0	120	FR	1
1	15	12	80.0	54.8	93.0	120	FR	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	7	50.0	26.8	73.2	120	FR	1
0	15	14	93.3	70.2	98.8	120	FR	1
1	15	14	93.3	70.2	98.8	120	FR	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	46	24	52.2	38.2	65.9	2	NL	1
1	46	24	52.2	38.1	65.9	2	NL	1
0	27	6	22.2	10.6	40.7	2	NL	1
0	29	21	72.4	54.3	85.3	2	NL	1
1	29	21	72.4	54.3	85.3	2	NL	1
0	78	77	98.7	93.1	99.8	2	NL	1
1	78	77	98.7	93.1	99.8	2	NL	1
0	46	25	54.3	40.1	67.8	2	NL	1
1	46	25	54.3	40.2	67.8	2	NL	1
0	27	14	51.9	34.0	69.3	2	NL	1
0	29	24	82.8	65.5	92.4	2	NL	1
1	29	24	82.8	65.5	92.4	2	NL	1
0	76	76	97.4	91.1	99.3	2	NL	1
1	78	76	97.4	91.1	99.3	2	NL	1
0	25	7	28.0	14.3	47.6	125	US	1
0	36	24	66.7	50.3	79.8	125	US	1
0	34	29	85.3	69.9	93.6	125	US	1
0	20	14	70.0	48.1	85.5	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	65	53	81.5	70.4	89.1	125	US	1
0	107	98	91.6	84.6	96.1	125	US	1
1	107	98	91.6	84.8	95.5	125	US	1
0	25	8	32.0	17.2	51.6	125	US	1
0	36	24	66.7	50.3	79.8	125	US	1
0	34	29	85.3	69.9	93.6	125	US	1

0	20	14	70.0	48.1	85.5	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	65	53	81.5	70.4	89.1	125	US	1
0	107	96	89.7	82.4	94.8	125	US	1
1	107	96	89.7	82.5	94.2	125	US	1
0	25	8	32.0	17.2	51.6	125	US	1
0	36	24	66.7	50.3	79.8	125	US	1
0	34	29	85.3	69.9	93.6	125	US	1
0	20	14	70.0	48.1	85.5	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	65	53	81.5	70.4	89.1	125	US	1
0	107	97	90.7	83.5	95.4	125	US	1
1	107	97	90.7	83.6	94.8	125	US	1
0	183	147	80.3	73.9	85.4	2	NL	1
1	183	147	80.3	74.0	85.4	2	NL	1
0	122	38	31.1	23.6	39.8	2	NL	1
0	85	68	80.0	70.3	87.1	2	NL	1
0	167	161	96.4	92.4	98.3	2	NL	1
1	252	229	90.9	86.7	93.8	2	NL	1
0	18	14	77.8	54.8	91.0	32	SE	1
1	18	14	77.8	54.8	91.0	32	SE	1
0	760	735	96.7	95.2	97.8	2	NL	1
0	111	107	96.4	91.1	98.6	32	SE	1
1	871	842	96.7	95.3	97.7	2, 32	NL, SE	2
0	36	25	69.4	53.1	82.0	116	US	1
0	23	22	94.4	77.3	98.8	116	US	1
0	18	17	94.7	74.6	99.1	116	US	1
1	18	17	94.4	74.2	99.0	116	US	1
0	235	233	99.1	96.9	99.7	116	US	1
1	235	233	99.1	97.0	99.8	116	US	1
0	36	25	69.4	53.1	82.0	116	US	1
0	23	22	94.4	77.3	98.8	116	US	1
0	18	18	100.0	82.4	100.0	116	US	1
1	18	18	100.0	82.4	100.0	116	US	1

0	235	232	98.7	96.3	99.6	116	US	1
1	235	232	98.7	96.3	99.6	116	US	1
0	36	21	58.3	42.2	72.8	116	US	1
0	23	22	94.4	77.3	98.8	116	US	1
0	18	16	89.5	67.9	97.2	116	US	1
1	18	16	88.9	67.2	96.9	116	US	1
0	235	234	99.6	97.7	99.9	116	US	1
1	235	234	99.6	97.6	99.9	116	US	1
0	11	6	54.5	28.0	78.7	3	NL	1
1	11	6	54.5	28.0	78.7	3	NL	1
0	28	4	14.3	5.7	31.5	3	NL	1
0	6	6	100.0	61.0	100.0	3	NL	1
0	43	11	25.6	14.9	40.2	106	BE	1
0	41	22	53.7	38.7	67.9	106	BE	1
0	51	46	90.2	79.0	95.7	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	80	75	93.8	86.2	97.3	3,106	BE, NL	2
0	13	12	92.3	66.7	98.6	3	NL	1
0	103	102	99.0	94.7	99.8	106	BE	1
1	116	114	98.3	93.9	99.5	3,106	BE, NL	2
0	7	5	71.4	35.9	91.8	49	DK	1
0	15	14	93.3	70.2	98.8	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
0	43	19	44.2	30.4	58.9	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	97	93	95.9	89.9	98.4	49,106	BE, DK	2
0	20	15	75.0	53.1	88.8	32	SE	1
1	20	15	75.0	53.1	88.8	32	SE	1
0	113	112	99.1	95.2	99.8	32	SE	1
0	32	32	100.0	89.3	100.0	49	DK	1

0	103	98	95.1	89.1	97.9	106	BE	1
1	248	242	97.6	94.8	98.9	32, 49, 106	BE, DK, SE	3
0	11	6	54.5	28.0	78.7	3	NL	1
1	11	6	54.5	28.0	78.7	3	NL	1
0	28	5	17.9	7.9	35.6	3	NL	1
0	6	6	100.0	61.0	100.0	3	NL	1
0	43	19	44.2	30.4	58.9	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	80	77	96.3	89.5	98.7	3, 106	BE, NL	2
0	103	98	95.1	89.1	97.9	106	BE	1
1	103	98	95.1	89.1	97.9	106	BE	1
0	87	69	79.3	69.6	86.5	2	NL	1
1	87	69	79.3	69.6	86.5	2	NL	1
0	59	38	64.4	51.6	75.4	2	NL	1
0	102	91	89.2	81.7	93.9	2	NL	1
0	22	22	100.0	85.1	100.0	47	DE	1
1	102	91	89.2	81.7	93.9	2	NL	1
0	27	11	40.7	24.5	59.3	125	US	1
0	36	28	77.8	61.9	88.3	125	US	1
0	35	31	88.6	74.0	95.5	125	US	1
0	21	16	76.2	54.9	89.4	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	57	85.1	74.7	91.7	125	US	1
0	235	224	95.3	91.8	97.4	2	NL	1
0	53	47	88.7	77.4	94.7	47	DE	1
0	108	98	90.7	83.6	95.5	125	US	1
1	396	369	93.2	90.3	95.3	2, 47, 125	DE, NL, US	3
0	27	11	40.7	24.5	59.3	125	US	1
0	36	29	80.6	65.0	90.2	125	US	1
0	35	31	88.6	74.0	95.5	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1

0	11	10	90.9	62.3	98.4	125	US	1
1	67	58	86.6	76.4	92.8	125	US	1
0	108	97	89.8	82.5	94.8	125	US	1
1	108	97	89.8	82.7	94.2	125	US	1
0	27	5	18.5	8.2	36.7	125	US	1
0	36	19	52.8	37.0	68.0	125	US	1
0	35	27	77.1	61.0	87.9	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	67	50	74.6	63.1	83.5	125	US	1
0	108	105	97.2	92.1	99.4	125	US	1
1	108	105	97.2	92.1	99.1	125	US	1
0	57	16	28.1	18.1	40.9	2	NL	1
1	57	16	28.1	18.1	40.8	2	NL	1
0	59	32	54.2	41.6	66.3	2	NL	1
0	102	85	83.3	74.9	89.3	2	NL	1
1	102	85	83.3	74.9	89.3	2	NL	1
0	199	196	98.5	95.7	99.5	2	NL	1
1	199	196	98.5	95.7	99.5	2	NL	1
0	5	1	20.0	3.6	62.4	2	NL	1
1	5	1	20.0	3.6	62.4	2	NL	1
0	59	50	84.7	73.4	91.7	2	NL	1
0	42	11	26.2	15.3	41.1	106	BE	1
0	41	18	43.9	29.9	59.0	106	BE	1
0	51	44	86.3	74.3	93.2	106	BE	1
0	21	20	95.2	77.3	99.2	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	133	116	87.2	80.5	91.9	2, 106	BE, NL	2
0	72	64	88.9	79.6	94.3	2	NL	1
0	101	96	95.0	88.9	97.9	106	BE	1
1	173	160	92.5	87.6	95.6	2, 106	BE, NL	2
0	14	6	42.9	21.4	67.4	2	NL	1
1						2		0
0	5	5	100.0	56.6	100.0	2	NL	1
1	5	5	100.0	56.6	100.0	2	NL	1
0	14	5	35.7	16.3	61.2	2	NL	1
0	59	44	74.6	62.2	84.0	2	NL	1
0	42	11	26.2	15.3	41.1	106	BE	1
0	41	21	51.2	36.5	65.7	106	BE	1
0	51	44	86.3	74.3	93.2	106	BE	1
0	21	20	95.2	77.3	99.2	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	133	110	82.7	75.4	88.2	2, 106	BE, NL	2
0	72	69	95.8	88.4	98.6	2	NL	1
0	101	97	96.0	90.3	98.4	106	BE	1
1	173	166	96.0	91.9	98.0	2, 106	BE, NL	2

0	14	1	7.1	1.3	31.4	2	NL	1
1						2		0
0	5	0	0.0	0.0	43.4	2	NL	1
1	5	0	0.0	0.0	43.4	2	NL	1
0	59	50	84.7	73.4	91.7	2	NL	1
0	42	6	14.3	6.7	27.8	106	BE	1
0	41	10	24.4	13.8	39.3	106	BE	1
0	51	22	43.1	30.5	56.7	106	BE	1
0	21	14	66.7	45.4	82.8	106	BE	1
0	2	1	50.0	9.5	90.5	106	BE	1
1	133	87	65.4	57.0	73.0	2, 106	BE, NL	2
0	72	71	98.6	92.5	99.8	2	NL	1
0	101	100	99.0	94.6	99.8	106	BE	1
1	173	171	98.8	95.9	99.7	2, 106	BE, NL	2
0	76	50	65.6	54.4	75.3	2	NL	1
1	76	50	65.8	54.6	75.5	2	NL	1
0	151	127	84.1	77.4	89.1	2	NL	1
0	41	40	97.6	87.5	99.6	2	NL	1
0	76	74	97.4	90.9	99.3	2	NL	1
0	7	6	85.7	48.7	97.4	49	DK	1
0	15	14	93.3	70.2	98.8	49	DK	1
0	8	8	100.0	67.6	100.0	49	DK	1
0	30	1	3.3	0.6	16.7	54	IT	1
0	13	4	30.8	12.7	57.6	54	IT	1
0	5	5	100.0	56.6	100.0	54	IT	1
0	9	8	88.9	56.5	98.0	102	GR	1
0	11	11	100.0	74.1	100.0	102	GR	1
0	25	25	100.0	86.7	100.0	102	GR	1
0	29	28	96.6	82.8	99.4	102	GR	1
0	3	2	66.7	20.8	93.9	105	BE	1
0	5	4	80.0	37.6	96.4	105	BE	1
0	12	11	91.7	64.6	98.5	105	BE	1
0	18	17	94.4	74.2	99.0	105	BE	1
0	4	4	100.0	51.0	100.0	105	BE	1
0	5	5	100.0	56.6	100.0	105	BE	1
0	9	2	22.2	6.3	54.7	120	FR	1
0	14	11	78.6	52.4	92.4	120	FR	1
0	15	14	93.3	70.2	98.8	120	FR	1
1	264	256	97.0	94.1	98.5	2, 49, 54, 102, 105, 120	BE, DK, FR, GR, IT, NL	6
0	15	2	13.3	3.7	37.9	5	AU	1

0	25	11	44.0	26.7	62.9	5	AU	1
0	21	13	61.9	40.9	79.2	5	AU	1
0	9	9	100.0	70.1	100.0	5	AU	1
0	23	21	91.3	73.2	97.6	5	AU	1
0	23	20	87.0	67.9	95.5	5	AU	1
0	47	36	76.6	62.8	86.4	13	US	1
0	4	4	100.0	51.0	100.0	13	US	1
0	1	1	100.0	20.7	100.0	13	US	1
0	30	27	90.0	74.4	96.5	13	US	1
0	32	19	59.4	42.3	74.5	83	FR	1
0	29	23	79.3	61.6	90.1	83	FR	1
0	82	82	100.0	95.5	100.0	83	FR	1
0	107	78	72.9	63.8	80.4	109	LU	1
1	168	160	95.2	90.9	97.6	5, 13, 83	AU, FR, US	3
0	323	288	89.2	85.3	92.1	2	NL	1
0	92	90	97.8	92.4	99.4	5	AU	1
0	86	76	88.4	79.9	93.6	13	US	1
0	37	27	73.0	57.0	84.6	44	FI	1
0	82	76	92.7	84.9	96.6	49	DK	1
0	72	62	86.1	76.3	92.3	64	BE	1
0	95	79	82.7	73.9	89.0	83	FR	1
0	20	18	90.0	69.9	97.2	102	GR	1
0	185	165	89.2	83.9	92.9	109	LU	1
0	20	16	80.0	63.7	96.3	120	FR	1
1	1012	897	88.6	86.5	90.4	2, 5, 13, 44, 49, 64, 83, 102, 109, 120	AU, BE, DK, FI, FR, GR, LU, NL, US	9
0	62	40	64.5	52.1	75.2	2	NL	1
0	5	0	0.0	0.0	43.4	62	CH	1
0	41	33	80.5	66.0	89.8	62	CH	1
0	44	43	97.7	88.2	99.6	62	CH	1
1	147	116	78.9	71.6	84.7	2, 62	CH, NL	2
0	62	40	64.5	52.1	75.2	2	NL	1
0	180	154	85.6	79.7	90.0	2	NL	1
0	99	90	90.9	83.6	95.1	2	NL	1

0	22	19	86.4	66.7	95.3	47	DE	1
0	7	3	42.9	15.8	75.0	49	DK	1
0	15	10	66.7	41.7	84.8	49	DK	1
0	8	7	87.5	52.9	97.8	49	DK	1
0	30	0	0.0	0.0	11.4	54	IT	1
0	13	2	15.4	4.3	42.2	54	IT	1
0	5	5	100.0	56.6	100.0	54	IT	1
0	3	0	0.0	0.0	56.2	62	CH	1
0	71	62	87.3	77.6	93.2	62	CH	1
0	17	16	94.1	73.0	99.0	62	CH	1
0	9	7	77.8	45.3	93.7	102	GR	1
0	11	11	100.0	74.1	100.0	102	GR	1
0	25	23	92.0	75.0	97.8	102	GR	1
0	29	27	93.1	78.0	98.1	102	GR	1
0	3	2	66.7	20.8	93.9	105	BE	1
0	5	4	80.0	37.6	96.4	105	BE	1
0	12	10	83.3	55.2	95.3	105	BE	1
0	18	15	83.3	60.8	94.2	105	BE	1
0	4	4	100.0	51.0	100.0	105	BE	1
0	5	5	100.0	56.6	100.0	105	BE	1
0	43	10	23.3	13.2	37.7	106	BE	1
0	41	19	46.3	32.1	61.3	106	BE	1
0	51	42	82.4	69.7	90.4	106	BE	1
0	21	20	95.2	77.3	99.2	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	6	42.9	21.4	67.4	120	FR	1
0	15	14	93.3	70.2	98.8	120	FR	1
1	588	517	87.9	85.0	90.3	2, 49, 54, 62, 102, 105, 106, 120	BE, CH, DK, FR, GR, IT, NL	7
0	15	0	0.0	0.0	20.4	5	AU	1
0	25	6	24.0	11.5	43.4	5	AU	1
0	21	10	47.6	28.3	67.6	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1

0	23	23	100.0	85.7	100.0	5	AU	1
0	23	21	91.3	73.2	97.6	5	AU	1
0	47	20	42.6	29.5	56.7	13	US	1
0	4	4	100.0	51.0	100.0	13	US	1
0	1	1	100.0	20.7	100.0	13	US	1
0	30	30	100.0	88.6	100.0	13	US	1
0	32	9	28.1	15.5	45.3	83	FR	1
0	29	21	72.4	54.3	85.3	83	FR	1
0	82	82	100.0	95.5	100.0	83	FR	1
0	107	67	62.6	53.2	71.2	109	LU	1
1	168	164	97.6	94.0	99.1	5, 13, 83	AU, FR, US	3
0	496	491	99.0	97.7	99.6	2	NL	1
0	92	90	97.8	92.4	99.4	5	AU	1
0	86	84	97.7	91.9	99.6	13	US	1
0	37	34	91.9	78.7	97.2	44	FI	1
0	53	51	96.2	87.2	99.0	47	DE	1
0	82	79	96.3	89.8	98.7	49	DK	1
0	176	171	97.2	93.5	98.8	62	CH	1
0	72	71	98.6	92.5	99.8	64	BE	1
0	95	92	96.7	90.9	98.8	83	FR	1
0	20	20	100.0	83.9	100.0	98	GR	1
0	103	99	96.1	90.4	98.5	106	BE	1
0	185	181	97.8	94.6	99.2	109	LU	1
0	20	17	85.0	70.4	99.6	120	FR	1
1	1517	1480	97.6	96.7	98.2	2, 5, 13, 44, 47, 49, 62, 64, 83, 98, 106, 109, 120	AU, BE, CH, DE, DK, FI, FR, GR, LU, NL, US	11
0	15	2	13.3	3.7	37.9	5	AU	1
0	25	11	44.0	26.7	62.9	5	AU	1
0	21	13	61.9	40.9	79.2	5	AU	1
0	9	9	100.0	70.1	100.0	5	AU	1
0	23	23	100.0	85.7	100.0	5	AU	1
0	23	21	91.3	73.2	97.6	5	AU	1
0	32	19	59.4	42.3	74.5	83	FR	1
0	29	24	82.8	65.5	92.4	83	FR	1

0	82	82	100.0	95.5	100.0	83	FR	1
1	137	135	98.5	94.8	99.6	5, 83	AU, FR	2
0	92	67	72.8	62.9	80.8	5	AU	1
0	72	63	87.5	77.9	93.3	64	BE	1
0	95	78	82.0	73.1	88.4	83	FR	1
1	259	208	80.3	75.0	84.7	5, 64, 83	AU, BE, FR	3
0	10	0	0.0	0.0	27.8	3	NL	1
1	10	0	0.0	0.0	27.8	3	NL	1
0	7	2	28.6	8.2	64.1	3	NL	1
0	6	6	100.0	61.0	100.0	3	NL	1
1	6	6	100.0	61.0	100.0	3	NL	1
0	25	25	100.0	86.7	100.0	3	NL	1
1	25	25	100.0	86.7	100.0	3	NL	1
0	10	2	20.0	5.7	51.0	3	NL	1
1	10	2	20.0	5.7	51.0	3	NL	1
0	7	4	57.1	25.0	84.2	3	NL	1
0	6	6	100.0	61.0	100.0	3	NL	1
1	6	6	100.0	61.0	100.0	3	NL	1
0	9	1	11.1	2.0	43.5	120	FR	1
0	14	11	78.6	52.4	92.4	120	FR	1
0	15	13	86.7	62.1	96.3	120	FR	1
1	15	13	86.7	62.1	96.3	120	FR	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	4	4	100.0	51.0	100.0	53	CN	1
0	8	4	50.0	21.5	78.5	53	CN	1
0	33	24	72.7	55.8	84.9	53	CN	1
0	34	33	97.1	85.1	99.5	53	CN	1
1	34	33	97.1	85.1	99.5	53	CN	1
0	80	78	97.5	91.3	99.3	53	CN	1
1	80	78	97.5	91.3	99.3	53	CN	1

0	25	10	40.0	23.4	59.3	125	US	1
0	36	24	66.7	50.3	79.8	125	US	1
0	33	27	81.8	65.6	91.4	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	65	53	81.5	70.4	89.1	125	US	1
0	106	105	99.1	94.9	100.0	125	US	1
1	106	105	99.1	94.8	99.8	125	US	1
0	8	1	12.5	2.2	47.1	92	ES	1
0	24	6	25.0	12.0	44.9	92	ES	1
0	23	16	69.6	49.1	84.4	92	ES	1
1	23	16	69.6	49.1	84.4	92	ES	1
0	55	55	100.0	93.5	100.0	92	ES	1
1	55	55	100.0	93.5	100.0	92	ES	1
0	1	1	100.0	20.7	100.0	49	DK	1
0	8	1	12.5	2.2	47.1	92	ES	1
0	24	8	33.3	18.0	53.3	92	ES	1
0	23	17	73.9	53.5	87.5	92	ES	1
1	23	17	73.9	53.5	87.5	92	ES	1
0	15	13	86.7	62.1	96.3	49	DK	1
0	55	55	100.0	93.5	100.0	92	ES	1
1	70	68	97.1	90.2	99.2	49,92	DK, ES	2
0	8	0	0.0	0.0	32.4	92	ES	1
0	24	3	12.5	4.3	31.0	92	ES	1
0	23	9	39.1	22.2	59.2	92	ES	1
1	23	9	39.1	22.2	59.2	92	ES	1
0	55	55	100.0	93.5	100.0	92	ES	1
1	55	55	100.0	93.5	100.0	92	ES	1
0	23	12	52.0	39.0	65.0	4	NO	1
1	23	12	52.2	33.0	70.8	4	NO	1
0	23	19	83.0	70.0	91.0	4	NO	1
1	23	19	82.6	62.9	93.0	4	NO	1
0	43	12	27.9	16.7	42.7	106	BE	1
0	41	21	51.2	36.5	65.7	106	BE	1

0	51	47	92.2	81.5	96.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	70	94.6	86.9	97.9	106	BE	1
0	103	101	98.1	93.2	99.5	106	BE	1
1	103	101	98.1	93.2	99.5	106	BE	1
0	43	14	32.6	20.5	47.5	106	BE	1
0	41	22	53.7	38.7	67.9	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	72	97.3	90.7	99.3	106	BE	1
0	103	93	90.3	83.0	94.6	106	BE	1
1	103	93	90.3	83.0	94.6	106	BE	1
0	43	8	18.6	9.7	32.6	106	BE	1
0	41	12	29.3	17.6	44.5	106	BE	1
0	51	32	62.7	49.0	74.7	106	BE	1
0	21	12	57.1	36.5	75.5	106	BE	1
0	2	1	50.0	9.5	90.5	106	BE	1
1	74	45	60.8	49.4	71.1	106	BE	1
0	103	94	91.3	84.2	95.3	106	BE	1
1	103	94	91.3	84.2	95.3	106	BE	1
0	23	9	39.0	27.0	52.0	4	NO	1
1	23	9	39.1	22.2	59.2	4	NO	1
0	23	21	91.0	80.0	97.0	4	NO	1
1	23	21	91.3	73.2	97.6	4	NO	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	7	50.0	26.8	73.2	120	FR	1
0	15	14	93.3	70.2	98.8	120	FR	1
1	15	14	93.3	70.2	98.8	120	FR	1
0	20	20	100.0	83.9	100.0	120	FR	1
1	20	20	100.0	83.9	100.0	120	FR	1
0	11	7	63.6	35.3	84.8	3	NL	1
1	11	7	63.6	35.4	84.8	3	NL	1
0	76	59	77.6	67.0	85.5	3	NL	1
0	31	30	96.8	83.8	99.4	3	NL	1
1	31	30	96.8	83.8	99.4	3	NL	1

0	77	67	87.0	77.7	92.8	3	NL	1
1	77	67	87.0	77.7	92.8	3	NL	1
0	11	7	63.6	35.3	84.8	3	NL	1
1	11	7	63.6	35.4	84.8	3	NL	1
0	76	58	76.3	65.6	84.4	3	NL	1
0	31	26	83.9	67.4	92.9	3	NL	1
1	31	26	83.9	67.4	92.9	3	NL	1
0	27	7	25.9	13.2	44.7	125	US	1
0	36	17	47.2	32.0	63.0	125	US	1
0	33	25	75.8	59.0	87.2	125	US	1
0	14	9	64.3	38.8	83.7	125	US	1
0	6	4	66.7	30.0	90.3	125	US	1
1	53	38	71.7	58.4	82.0	125	US	1
0	108	108	100.0	96.6	100.0	125	US	1
1	108	108	100.0	96.6	100.0	125	US	1
0	27	7	25.9	13.2	44.7	125	US	1
0	36	20	55.6	39.6	70.5	125	US	1
0	33	25	75.8	59.0	87.2	125	US	1
0	14	9	64.3	38.8	83.7	125	US	1
0	6	5	83.3	43.6	97.0	125	US	1
1	53	39	73.6	60.4	83.6	125	US	1
0	108	104	96.3	90.8	99.0	125	US	1
1	108	104	96.3	90.9	98.6	125	US	1
0	27	4	14.8	5.9	32.5	125	US	1
0	36	12	33.3	20.2	49.7	125	US	1
0	32	12	37.5	22.9	54.7	125	US	1
0	14	4	28.6	11.7	54.6	125	US	1
0	6	1	16.7	3.0	56.4	125	US	1
1	52	17	32.7	21.5	46.2	125	US	1
0	108	104	96.3	90.8	99.0	125	US	1
1	108	104	96.3	90.9	98.6	125	US	1
0	27	7	25.9	13.2	44.7	125	US	1
0	35	23	65.7	49.2	79.2	125	US	1

0	35	27	77.1	61.0	87.9	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	10	9	90.0	59.6	98.2	125	US	1
1	66	50	75.8	64.2	84.5	125	US	1
0	104	102	98.1	93.2	99.8	125	US	1
1	104	102	98.1	93.3	99.5	125	US	1
0	27	11	40.7	24.5	59.3	125	US	1
0	35	27	77.1	61.0	87.9	125	US	1
0	35	30	85.7	70.6	93.7	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1
0	10	10	100.0	72.2	100.0	125	US	1
1	66	57	86.4	76.1	92.7	125	US	1
0	104	99	95.2	89.1	98.4	125	US	1
1	104	99	95.2	89.2	97.9	125	US	1
0	27	11	40.7	24.5	59.3	125	US	1
0	35	26	74.3	57.9	85.8	125	US	1
0	35	28	80.0	64.1	90.0	125	US	1
0	21	16	76.2	54.9	89.4	125	US	1
0	10	10	100.0	72.2	100.0	125	US	1
1	66	54	81.8	70.9	89.3	125	US	1
0	104	101	97.1	91.8	99.4	125	US	1
1	104	101	97.1	91.9	99.0	125	US	1
0	23	20	85.0	72.0	93.0	4	NO	1

1	23	20	87.0	67.9	95.5	4	NO	1
0	20	12	60.0	46.0	73.0	4	NO	1
1	20	12	60.0	38.7	78.1	4	NO	1
0	72	72	100.0	94.9	100.0	64	BE	1
1	72	72	100.0	94.9	100.0	64	BE	1
0	43	13	30.2	18.6	45.1	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	71	95.9	88.7	98.6	106	BE	1
0	103	102	99.0	94.7	99.8	106	BE	1
1	103	102	99.0	94.7	99.8	106	BE	1
0	43	14	32.6	20.5	47.5	106	BE	1
0	41	25	61.0	45.7	74.3	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	72	97.3	90.7	99.3	106	BE	1
0	103	101	98.1	93.2	99.5	106	BE	1
1	103	101	98.1	93.2	99.5	106	BE	1
0	43	7	16.3	8.1	30.0	106	BE	1
0	41	13	31.7	19.6	47.0	106	BE	1
0	51	23	45.1	32.3	58.6	106	BE	1
0	21	12	57.1	36.5	75.5	106	BE	1
0	2	1	50.0	9.5	90.5	106	BE	1
1	74	36	48.6	37.6	59.8	106	BE	1
0	103	102	99.0	94.7	99.8	106	BE	1
1	103	102	99.0	94.7	99.8	106	BE	1
0	22	7	31.8	16.4	52.7	55	CN	1
0	38	15	39.5	25.6	55.3	55	CN	1
0	54	39	72.2	59.1	82.4	55	CN	1
0	55	48	87.3	76.0	93.7	55	CN	1

0	32	28	87.5	71.9	95.0	55	CN	1
0	6	6	100.0	61.0	100.0	55	CN	1
0	7	7	100.0	64.6	100.0	55	CN	1
1	154	128	83.1	76.4	88.2	55	CN	1
0	22	9	40.9	23.3	61.3	55	CN	1
0	38	20	52.6	37.3	67.5	55	CN	1
0	54	48	88.9	77.8	94.8	55	CN	1
0	55	52	94.5	85.1	98.1	55	CN	1
0	32	30	93.8	79.9	98.3	55	CN	1
0	6	6	100.0	61.0	100.0	55	CN	1
0	7	7	100.0	64.6	100.0	55	CN	1
1	154	143	92.9	87.7	96.0	55	CN	1
0	22	7	31.8	16.4	52.7	55	CN	1
0	38	20	52.6	37.3	67.5	55	CN	1
0	54	39	72.2	59.1	82.4	55	CN	1
0	55	45	81.8	69.7	89.8	55	CN	1
0	32	26	81.3	64.7	91.1	55	CN	1
0	6	5	83.3	43.6	97.0	55	CN	1
0	7	4	57.1	25.0	84.2	55	CN	1
1	154	119	77.3	70.0	83.2	55	CN	1
0	21	9	42.9	24.5	63.5	16	CH	1
0	46	31	67.4	53.0	79.1	16	CH	1
1						16		0
0	100	90	90.0	82.6	94.5	16	CH	1
1	100	90	90.0	82.6	94.5	16	CH	1
0	57	44	77.2	64.8	86.2	2	NL	1
1	57	44	77.2	64.8	86.2	2	NL	1
0	24	14	58.3	38.8	75.5	2	NL	1
0	85	78	91.8	84.0	96.0	2	NL	1
0	22	19	86.4	66.7	95.3	47	DE	1
1	85	78	91.8	84.0	96.0	2	NL	1
0	232	222	95.7	92.3	97.6	2	NL	1
0	53	53	100.0	93.2	100.0	47	DE	1
1	285	275	96.5	93.7	98.1	2, 47	DE, NL	2
0	43	11	25.6	14.9	40.2	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1

1	100	97	97.0	91.5	99.0	106	BE	1
0	142	139	97.9	94.0	99.3	106	BE	1
1	142	139	97.9	94.0	99.3	106	BE	1
0	43	16	37.2	24.4	52.1	106	BE	1
0	41	26	63.4	48.1	76.4	106	BE	1
0	51	50	98.0	89.7	99.7	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	98	98.0	93.0	99.4	106	BE	1
0	142	139	97.9	94.0	99.3	106	BE	1
1	142	139	97.9	94.0	99.3	106	BE	1
0	43	12	27.9	16.7	42.7	106	BE	1
0	41	17	41.5	27.8	56.6	106	BE	1
0	51	41	80.4	67.5	89.0	106	BE	1
0	21	19	90.5	71.1	97.3	106	BE	1
0	3	1	33.3	6.1	79.2	106	BE	1
0	25	6	24.0	11.5	43.4	106	BE	1
1	100	67	67.0	57.3	75.4	106	BE	1
0	142	142	100.0	97.4	100.0	106	BE	1
1	142	142	100.0	97.4	100.0	106	BE	1
0	43	12	27.9	16.7	42.7	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	96	96.0	90.2	98.4	106	BE	1
0	142	139	97.9	94.0	99.3	106	BE	1
1	142	139	97.9	94.0	99.3	106	BE	1
0	43	18	41.9	28.4	56.7	106	BE	1
0	41	28	68.3	53.0	80.4	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1

0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	96	96.0	90.2	98.4	106	BE	1
0	142	129	90.8	85.0	94.6	106	BE	1
1	142	129	90.8	85.0	94.6	106	BE	1
0	43	11	25.6	14.9	40.2	106	BE	1
0	41	16	39.0	25.7	54.3	106	BE	1
0	51	30	58.8	45.2	71.2	106	BE	1
0	21	13	61.9	40.9	79.2	106	BE	1
0	3	1	33.3	6.1	79.2	106	BE	1
0	25	12	48.0	30.0	66.5	106	BE	1
1	100	56	56.0	46.2	65.3	106	BE	1
0	142	132	93.0	87.5	96.1	106	BE	1
1	142	132	93.0	87.5	96.1	106	BE	1
0	32	14	43.8	28.2	60.7	83	FR	1
0	29	21	72.4	54.3	85.3	83	FR	1
0	82	82	100.0	95.5	100.0	83	FR	1
1	82	82	100.0	95.5	100.0	83	FR	1
0	95	91	95.3	89.0	98.1	83	FR	1
1	95	91	95.8	89.7	98.4	83	FR	1
0	14	9	64.3	38.8	83.7	6	UK	1
0	4	2	50.0	15.0	85.0	6	UK	1
0	35	28	80.0	64.1	90.0	6	UK	1
0	30	25	83.3	66.4	92.7	6	UK	1
0	10	8	80.0	49.0	94.3	6	UK	1
1	79	63	79.7	69.6	87.1	6	UK	1
0	490	488	99.6	98.5	99.9	6	UK	1
1	490	488	99.6	98.5	99.9	6	UK	1
0	70	65	92.9	84.3	96.9	26	KR	1
1					26			0
0	70	65	92.9	84.3	96.9	26	KR	1
1					26			0
0	70	46	65.7	54.0	75.8	26	KR	1
1					26			0
0	43	17	39.5	26.4	54.4	106	BE	1
0	41	28	68.3	53.0	80.4	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	71	95.9	88.7	98.6	106	BE	1
0	103	93	90.3	83.0	94.6	106	BE	1
1	103	93	90.3	83.0	94.6	106	BE	1
0	43	25	58.1	43.3	71.6	106	BE	1
0	41	30	73.2	58.1	84.3	106	BE	1
0	51	50	98.0	89.7	99.7	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1

1	74	73	98.6	92.7	99.8	106	BE	1
0	103	88	85.4	77.4	91.0	106	BE	1
1	103	88	85.4	77.4	91.0	106	BE	1
0	43	20	46.5	32.5	61.1	106	BE	1
0	41	21	51.2	36.5	65.7	106	BE	1
0	51	36	70.6	57.0	81.3	106	BE	1
0	21	15	71.4	50.0	86.2	106	BE	1
0	2	1	50.0	9.5	90.5	106	BE	1
1	74	52	70.3	59.1	79.5	106	BE	1
0	103	96	93.2	86.6	96.7	106	BE	1
1	103	96	93.2	86.6	96.7	106	BE	1
0	27	6	22.2	10.6	40.8	125	US	1
0	35	18	51.4	35.6	67.0	125	US	1
0	35	22	62.9	46.3	76.8	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	67	45	67.2	55.3	77.2	125	US	1
0	108	107	99.1	95.0	100.0	125	US	1
1	108	107	99.1	94.9	99.8	125	US	1
0	27	10	37.0	21.5	55.8	125	US	1
0	35	25	71.4	54.9	83.7	125	US	1
0	35	29	82.9	67.3	91.9	125	US	1
0	21	17	81.0	60.0	92.3	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	56	83.6	72.9	90.6	125	US	1
0	108	105	97.2	92.1	99.4	125	US	1
1	108	105	97.2	92.1	99.1	125	US	1
0	27	10	37.0	21.5	55.8	125	US	1
0	35	25	71.4	54.9	83.7	125	US	1
0	35	28	80.0	64.1	90.0	125	US	1
0	21	16	76.2	54.9	89.4	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	54	80.6	69.6	88.3	125	US	1
0	108	106	98.1	93.5	99.8	125	US	1
1	108	106	98.1	93.5	99.5	125	US	1
0	23	11	48.0	35.0	61.0	4	NO	1
1	23	11	47.8	29.2	67.0	4	NO	1
0	23	10	43.0	31.0	57.0	4	NO	1
1	23	10	43.5	25.6	63.2	4	NO	1
0	49	41	83.7	71.0	91.5	2	NL	1
1	49	41	83.7	71.0	91.5	2	NL	1
0	17	5	29.4	13.3	53.1	2	NL	1
0	25	22	88.0	70.0	95.8	2	NL	1
1	25	22	88.0	70.0	95.8	2	NL	1
0	10	6	60.0	31.3	83.2	7	UK	1
0	3	2	66.7	20.8	93.9	7	UK	1
0	28	21	75.0	56.6	87.3	7	UK	1
0	28	26	92.9	77.4	98.0	7	UK	1
0	9	8	88.9	56.5	98.0	7	UK	1
0	20	20	100.0	83.9	100.0	32	SE	1
1	88	77	87.5	79.0	92.9	7, 32	SE, UK	2
0	129	129	100.0	97.1	100.0	2	NL	1
0	472	472	100.0	99.2	100.0	7	UK	1
0	113	111	98.2	93.8	99.5	32	SE	1
0	173	173	100.0	97.8	100.0	109	LU	1
1	887	885	99.8	99.2	99.9	2, 7, 32, 109	LU, NL, SE, UK	4
0	10	0	0.0	0.0	27.8	3	NL	1
1	10	0	0.0	0.0	27.8	3	NL	1

0	7	2	28.6	8.2	64.1	3	NL	1
0	6	4	66.7	30.0	90.3	3	NL	1
1	6	4	66.7	30.0	90.3	3	NL	1
0	25	25	100.0	86.7	100.0	3	NL	1
1	25	25	100.0	86.7	100.0	3	NL	1
0	10	1	10.0	1.8	40.4	3	NL	1
1	10	1	10.0	1.8	40.4	3	NL	1
0	7	0	0.0	0.0	35.4	3	NL	1
0	6	0	0.0	0.0	39.0	3	NL	1
1	6	0	0.0	0.0	39.0	3	NL	1
0	40	22	55.0	39.8	69.3	113	CN	1
0	33	24	72.7	55.8	84.9	113	CN	1
0	24	23	95.8	79.8	99.3	113	CN	1
1	24	23	95.8	79.8	99.3	113	CN	1
0	53	51	96.2	87.2	99.0	113	CN	1
1	53	51	96.2	87.2	99.0	113	CN	1
0	30	3	10.0	3.5	25.6	54	IT	1
0	13	7	53.8	29.1	76.8	54	IT	1
0	5	5	100.0	56.6	100.0	54	IT	1
1	5	5	100.0	56.6	100.0	54	IT	1
0	50	43	86.0	73.8	93.1	124	CN	1
1						124		0
0	72	72	100.0	94.9	100.0	64	BE	1

0	209	205	98.1	95.2	99.3	85	CN	1
0	130	102	78.5	70.6	84.7	124	CN	1
1	411	379	92.2	89.2	94.4	64, 85, 124	BE, CN	2
0	72	72	100.0	94.9	100.0	64	BE	1
1	72	72	100.0	94.9	100.0	64	BE	1
0	30	1	3.3	0.6	16.7	54	IT	1
0	13	2	15.4	4.3	42.2	54	IT	1
0	5	3	60.0	23.1	88.2	54	IT	1
1	5	3	60.0	23.1	88.2	54	IT	1
0	50	13	26.0	15.9	39.6	124	CN	1
1						124		0
0	72	72	100.0	94.9	100.0	64	BE	1
0	209	204	97.6	94.5	99.0	85	CN	1
0	130	122	93.8	88.3	96.9	124	CN	1
1	411	398	96.8	94.7	98.1	64, 85, 124	BE, CN	2
0	61	47	76.7	64.7	85.5	42	IT	1
0	34	32	94.1	80.9	98.4	43	CN	1
1						42		0
0	50	44	88.0	76.2	94.4	124	CN	1
0	16	16	100.0	80.6	100.0	130	CN	1
0	7	4	57.1	25.0	84.2	135	CN	1
0	10	8	80.0	49.0	94.3	135	CN	1
0	38	38	100.0	90.8	100.0	135	CN	1
0	49	46	93.9	83.5	97.9	135	CN	1
0	8	8	100.0	67.6	100.0	135	CN	1
0	3	1	33.3	6.1	79.2	136	CN	1
0	3	3	100.0	43.8	100.0	136	CN	1

1	98	95	96.9	91.4	99.0	135, 136	CN	1
0	64	64	100.0	94.3	100.0	42	IT	1
0	130	127	97.7	93.4	99.2	124	CN	1
0	733	721	98.4	97.2	99.1	136	CN	1
1	927	912	98.4	97.3	99.0	42, 124, 136	CN, IT	2
0	61	45	73.3	61.1	82.8	42	IT	1
0	34	19	55.9	39.5	71.1	43	CN	1
0	3	2	66.7	20.8	93.9	136	CN	1
0	3	3	100.0	43.8	100.0	136	CN	1
1	3	3	100.0	43.9	100.0	136	CN	1
0	50	31	62.0	48.2	74.1	124	CN	1
0	16	15	93.8	71.7	98.9	130	CN	1
0	7	5	71.4	35.9	91.8	135	CN	1
0	10	5	50.0	23.7	76.3	135	CN	1
0	38	17	44.7	30.1	60.3	135	CN	1
0	49	27	55.1	41.3	68.1	135	CN	1
0	8	4	50.0	21.5	78.5	135	CN	1
1	95	48	50.5	40.6	60.4	135	CN	1
0	64	59	92.2	83.0	96.6	42	IT	1
0	130	127	97.7	93.4	99.2	124	CN	1
0	733	722	98.5	97.3	99.2	136	CN	1
1	927	908	98.0	96.8	98.7	42, 124, 136	CN, IT	2
0	27	5	18.5	8.2	36.7	125	US	1
0	35	19	54.3	38.2	69.5	125	US	1
0	35	25	71.4	54.9	83.7	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	49	73.1	61.5	82.3	125	US	1
0	108	108	100.0	96.6	100.0	125	US	1
1	108	108	100.0	96.6	100.0	125	US	1
0	27	5	18.5	8.2	36.7	125	US	1
0	35	19	54.3	38.2	69.5	125	US	1
0	35	25	71.4	54.9	83.7	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1

0	11	10	90.9	62.3	98.4	125	US	1
1	67	50	74.6	63.1	83.5	125	US	1
0	108	108	100.0	96.6	100.0	125	US	1
1	108	108	100.0	96.6	100.0	125	US	1
0	27	3	11.1	3.9	28.1	125	US	1
0	35	15	42.9	28.0	59.1	125	US	1
0	35	22	62.9	46.3	76.8	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	8	72.7	43.4	90.3	125	US	1
1	67	44	65.7	53.7	75.9	125	US	1
0	108	108	100.0	96.6	100.0	125	US	1
1	108	108	100.0	96.6	100.0	125	US	1
0	23	12	52.0	39.0	65.0	4	NO	1
1	23	12	52.2	33.0	70.8	4	NO	1
0	43	5	11.6	5.1	24.5	106	BE	1
0	41	17	41.5	27.8	56.6	106	BE	1
0	51	40	78.4	65.4	87.5	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	88	88.0	80.2	93.0	106	BE	1
0	142	141	99.3	96.1	99.9	106	BE	1
1	142	141	99.3	96.1	99.9	106	BE	1
0	43	18	41.9	28.4	56.7	106	BE	1
0	41	27	65.9	50.5	78.4	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	97	97.0	91.5	99.0	106	BE	1
0	142	137	96.5	92.0	98.5	106	BE	1
1	142	137	96.5	92.0	98.5	106	BE	1
0	23	19	83.0	70.0	91.0	4	NO	1
1	23	19	82.6	62.9	93.0	4	NO	1

0	43	18	41.9	28.4	56.7	106	BE	1
0	41	25	61.0	45.7	74.3	106	BE	1
0	51	48	94.1	84.1	98.0	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	96	96.0	90.2	98.4	106	BE	1
0	142	138	97.2	93.0	98.9	106	BE	1
1	142	138	97.2	93.0	98.9	106	BE	1
0	27	7	25.9	13.2	44.7	125	US	1
0	36	18	50.0	34.5	65.5	125	US	1
0	35	25	71.4	54.9	83.7	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	11	9	81.8	52.3	94.9	125	US	1
1	67	48	71.6	59.9	81.0	125	US	1
0	107	105	98.1	93.4	99.8	125	US	1
1	107	105	98.1	93.4	99.5	125	US	1
0	27	7	25.9	13.2	44.7	125	US	1
0	36	21	58.3	42.2	72.9	125	US	1
0	35	27	77.1	61.0	87.9	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	52	77.6	66.3	85.9	125	US	1
0	107	105	98.1	93.4	99.8	125	US	1
1	107	105	98.1	93.4	99.5	125	US	1
0	27	7	25.9	13.2	44.7	125	US	1
0	36	21	58.3	42.2	72.9	125	US	1
0	35	26	74.3	57.9	85.8	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1
0	11	10	90.9	62.3	98.4	125	US	1
1	67	51	76.1	64.7	84.7	125	US	1
0	107	105	98.1	93.4	99.8	125	US	1
1	107	105	98.1	93.4	99.5	125	US	1
0	22	17	77.3	56.6	89.9	47	DE	1
1						47		0
0	53	53	100.0	93.2	100.0	47	DE	1

1	53	53	100.0	93.2	100.0	47	DE	1
0	7	5	71.4	35.9	91.8	2	NL	1
1	7	5	71.4	35.9	91.8	2	NL	1
0	39	21	53.8	38.5	68.4	2	NL	1
0	132	117	88.6	82.1	93.0	2	NL	1
0	15	15	100.0	79.6	100.0	2	NL	1
1	147	132	89.8	83.8	93.7	2	NL	1
0	231	215	93.1	89.1	95.7	2	NL	1
0	12	11	91.7	64.6	98.5	109	LU	1
1	243	226	93.0	89.1	95.6	2,109	LU,NL	2
0	7	6	85.7	48.7	97.4	2	NL	1
1	7	6	85.7	48.7	97.4	2	NL	1
0	39	27	69.2	53.5	81.4	2	NL	1
0	106	99	93.4	87.0	96.8	2	NL	1
0	15	15	100.0	79.6	100.0	2	NL	1
1	121	114	94.2	88.5	97.2	2	NL	1
0	144	122	84.7	77.9	89.7	2	NL	1
0	12	0	0.0	0.0	24.3	109	LU	1
1	156	122	78.2	71.1	84.0	2,109	LU,NL	2
0	2	2	100.0	34.2	100.0	2	NL	1
1	2	2	100.0	34.2	100.0	2	NL	1
0	12	7	58.3	31.9	80.7	2	NL	1
0	54	48	88.9	77.8	94.8	2	NL	1
1	54	48	88.9	77.8	94.8	2	NL	1
0	69	66	95.7	88.0	98.5	2	NL	1
1	69	66	95.7	88.0	98.5	2	NL	1
0	2	1	50.0	9.5	90.5	2	NL	1
1	2	1	50.0	9.5	90.5	2	NL	1
0	12	9	75.0	46.8	91.1	2	NL	1
0	54	50	92.6	82.5	97.1	2	NL	1
1	54	50	92.6	82.4	97.1	2	NL	1
0	69	64	92.8	84.2	96.9	2	NL	1
1	69	64	92.8	84.1	96.9	2	NL	1
0	2	1	50.0	9.5	90.5	3	NL	1
1	2	1	50.0	9.5	90.5	3	NL	1
0	8	8	100.0	67.6	100.0	3	NL	1
0	43	14	32.6	20.5	47.5	106	BE	1
0	41	21	51.2	36.5	65.7	106	BE	1
0	51	46	90.2	79.0	95.7	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	82	77	93.9	86.5	97.4	3,106	BE,NL	2
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	8	28.6	15.3	47.1	5	AU	1
0	21	11	52.4	32.4	71.7	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1
0	27	21	77.8	59.2	89.4	5	AU	1

0	30	24	80.0	62.7	90.5	5	AU	1
0	30	5	16.7	7.3	33.6	24	IT	1
0	24	7	29.2	14.9	49.2	125	US	1
0	35	22	62.9	46.3	76.8	125	US	1
0	31	25	80.6	63.7	90.8	125	US	1
0	21	14	66.7	45.4	82.8	125	US	1
0	10	9	90.0	59.6	98.2	125	US	1
1	128	100	78.1	70.2	84.4	5, 125	AU, US	2
0	10	10	100.0	72.2	100.0	3	NL	1
0	92	91	98.9	94.1	99.8	5	AU	1
0	30	30	100.0	88.6	100.0	24	IT	1
0	103	102	99.0	94.7	99.8	106	BE	1
0	99	95	96.0	90.0	98.9	125	US	1
1	334	328	98.2	96.1	99.2	3, 5, 24, 106, 125	AU, BE, IT, NL, US	5
0	43	15	34.9	22.4	49.8	106	BE	1
0	41	23	56.1	41.0	70.1	106	BE	1
0	51	47	92.2	81.5	96.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	74	70	94.6	86.9	97.9	106	BE	1
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	8	28.6	15.3	47.1	5	AU	1
0	21	11	52.4	32.4	71.7	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1
0	27	21	77.8	59.2	89.4	5	AU	1
0	30	24	80.0	62.7	90.5	5	AU	1
0	30	8	26.7	14.2	44.4	24	IT	1
0	70	21	30.0	20.5	41.5	89	IT	1
0	24	7	29.2	14.9	49.2	125	US	1
0	35	22	62.9	46.3	76.8	125	US	1
0	31	26	83.9	67.4	92.9	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1
0	10	9	90.0	59.6	98.2	125	US	1
1	128	102	79.7	71.9	85.7	5, 125	AU, US	2

0	92	90	97.8	92.4	99.4	5	AU	1
0	30	30	100.0	88.6	100.0	24	IT	1
0	120	107	89.2	82.3	93.6	89	IT	1
0	103	102	99.0	94.7	99.8	106	BE	1
0	99	94	94.9	88.6	98.3	125	US	1
1	444	423	95.3	92.9	96.9	5, 24, 89, 106, 125	AU, BE, IT, US	4
0	2	1	50.0	9.5	90.5	3	NL	1
1	2	1	50.0	9.5	90.5	3	NL	1
0	8	8	100.0	67.6	100.0	3	NL	1
0	43	15	34.9	22.4	49.8	106	BE	1
0	41	23	56.1	41.0	70.1	106	BE	1
0	51	47	92.2	81.5	96.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	2	2	100.0	34.2	100.0	106	BE	1
1	82	78	95.1	88.1	98.1	3, 106	BE, NL	2
0	22	0	0.0	0.0	14.9	5	AU	1
0	28	8	28.6	15.3	47.1	5	AU	1
0	21	11	52.4	32.4	71.7	5	AU	1
0	9	7	77.8	45.3	93.7	5	AU	1
0	27	21	77.8	59.2	89.4	5	AU	1
0	30	24	80.0	62.7	90.5	5	AU	1
0	30	7	23.3	11.8	40.9	24	IT	1
0	24	7	29.2	14.9	49.2	125	US	1
0	35	22	62.9	46.3	76.8	125	US	1
0	31	26	83.9	67.4	92.9	125	US	1
0	21	15	71.4	50.0	86.2	125	US	1
0	10	9	90.0	59.6	98.2	125	US	1
1	128	102	79.7	71.9	85.7	5, 125	AU, US	2
0	92	90	97.8	92.4	99.4	5	AU	1
0	30	30	100.0	88.6	100.0	24	IT	1
0	103	103	100.0	96.4	100.0	106	BE	1
0	99	94	94.9	88.6	98.3	125	US	1
1	324	317	97.8	95.6	98.9	5, 24, 106, 125	AU, BE, IT, US	4
0	2	1	50.0	9.5	90.5	3	NL	1

1	2	1	50.0	9.5	90.5	3	NL	1
0	13	13	100.0	77.2	100.0	3	NL	1
1	13	13	100.0	77.2	100.0	3	NL	1
0	15	15	100.0	79.6	100.0	3	NL	1
1	15	15	100.0	79.6	100.0	3	NL	1
0	2	1	50.0	9.5	90.5	3	NL	1
1	2	1	50.0	9.5	90.5	3	NL	1
0	13	13	100.0	77.2	100.0	3	NL	1
1	13	13	100.0	77.2	100.0	3	NL	1
0	20	17	87.0	75.0	94.0	4	NO	1
1	20	17	85.0	64.0	94.8	4	NO	1
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	10	71.4	45.4	88.3	120	FR	1
0	15	13	86.7	62.1	96.3	120	FR	1
1	15	13	86.7	62.1	96.3	120	FR	1
0	20	19	95.0	85.4	100.0	120	FR	1
1	20	19	95.0	76.4	99.1	120	FR	1
0	23	11	48.0	35.0	61.0	4	NO	1
1	23	11	47.8	29.2	67.0	4	NO	1
0	9	2	22.2	6.3	54.7	120	FR	1
0	14	5	35.7	16.3	61.2	120	FR	1
0	15	12	80.0	54.8	93.0	120	FR	1
1	15	12	80.0	54.8	93.0	120	FR	1
0	20	13	65.0	44.1	89.1	120	FR	1
1	20	13	65.0	43.3	81.9	120	FR	1
0	17	10	58.8	36.0	78.4	3	NL	1
1	17	10	58.8	36.0	78.4	3	NL	1
0	44	19	43.2	29.7	57.8	3	NL	1
0	76	73	96.1	89.1	98.7	3	NL	1
1	76	73	96.1	89.0	98.6	3	NL	1
0	103	100	97.1	91.8	99.0	3	NL	1
1	103	100	97.1	91.8	99.0	3	NL	1
0	29	27	93.1	78.0	98.1	3	NL	1
1	29	27	93.1	78.0	98.1	3	NL	1
0	17	8	47.1	26.2	69.1	3	NL	1
1	17	8	47.1	26.2	69.0	3	NL	1
0	44	19	43.2	29.7	57.8	3	NL	1

0	76	48	63.2	52.0	73.2	3	NL	1
1	76	48	63.2	51.9	73.1	3	NL	1
0	80	77	96.3	89.5	98.7	59	CN	1
1						59		0
0	50	46	92.0	81.2	96.9	124	CN	1
1						124		0
0	300	298	99.3	97.6	99.8	59	CN	1
0	130	129	99.2	95.8	99.9	124	CN	1
1	430	427	99.3	98.0	99.8	59, 124	CN	1
0	80	69	86.3	77.0	92.1	59	CN	1
1						59		0
0	300	298	99.3	97.6	99.8	59	CN	1
1	300	298	99.3	97.6	99.8	59	CN	1
0	72	72	100.0	94.9	100.0	64	BE	1
1	72	72	100.0	94.9	100.0	64	BE	1
0	24	20	83.3	64.1	93.3	3	NL	1
1	24	20	83.3	64.1	93.3	3	NL	1
0	81	49	60.5	49.6	70.4	3	NL	1
0	39	39	100.0	91.0	100.0	3	NL	1
0	43	18	41.9	28.4	56.7	106	BE	1
0	41	24	58.5	43.4	72.2	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	23	92.0	75.0	97.8	106	BE	1
1	139	135	97.1	92.8	98.9	3, 106	BE, NL	2
0	10	9	90.0	59.6	98.2	36	SE	1
0	19	18	94.7	75.4	99.1	36	SE	1
1	19	18	94.7	75.4	99.1	36	SE	1
0	124	123	99.2	95.6	99.9	36	SE	1
0	142	134	94.4	89.3	97.1	106	BE	1
1	266	257	96.6	93.7	98.2	36, 106	BE, SE	2
0	43	22	51.2	36.8	65.4	106	BE	1
0	41	32	78.0	63.3	88.0	106	BE	1
0	51	51	100.0	93.0	100.0	106	BE	1

0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	24	96.0	80.5	99.3	106	BE	1
1	100	99	99.0	94.6	99.8	106	BE	1
0	142	132	93.0	87.5	96.1	106	BE	1
1	142	132	93.0	87.5	96.1	106	BE	1
0	24	20	83.3	64.1	93.3	3	NL	1
1	24	20	83.3	64.1	93.3	3	NL	1
0	81	54	66.7	55.9	76.0	3	NL	1
0	39	32	82.1	67.4	91.1	3	NL	1
0	43	20	46.5	32.5	61.1	106	BE	1
0	41	30	73.2	58.1	84.3	106	BE	1
0	51	49	96.1	86.8	98.9	106	BE	1
0	21	21	100.0	84.5	100.0	106	BE	1
0	3	3	100.0	43.8	100.0	106	BE	1
0	25	19	76.0	56.6	88.5	106	BE	1
1	139	124	89.2	83.0	93.4	3, 106	BE, NL	2
0	10	7	70.0	39.7	89.2	36	SE	1
0	19	13	68.4	46.0	84.6	36	SE	1
1	19	13	68.4	46.0	84.6	36	SE	1
0	124	124	100.0	97.0	100.0	36	SE	1
0	142	137	96.5	92.0	98.5	106	BE	1
1	266	261	98.1	95.7	99.2	36, 106	BE, SE	2
0	23	17	74.0	61.0	84.0	4	NO	1
1	23	17	73.9	53.5	87.5	4	NO	1
0	23	17	74.0	61.0	84.0	4	NO	1
1	23	17	73.9	53.5	87.5	4	NO	1
0	27	1	3.7	0.7	18.3	87	CN	1
0	28	16	57.1	39.1	73.5	87	CN	1
0	31	30	96.8	83.8	99.4	87	CN	1
0	27	1	3.7	0.7	18.3	88	CN, HK	2
0	28	16	57.1	39.1	73.5	88	CN, HK	2

0	31	30	96.8	83.8	99.4	88	CN, HK	2
0	9	0	0.0	0.0	29.9	120	FR	1
0	14	7	50.0	26.8	73.2	120	FR	1
0	15	13	86.7	62.1	96.3	120	FR	1
1	77	73	94.8	87.4	98.0	87, 88, 120	CN, FR, HK	3
0	5	2	40.0	11.8	76.9	127	CN	1
0	9	4	44.4	18.9	73.3	127	CN	1
0	19	8	42.1	23.1	63.7	127	CN	1
0	23	9	39.1	22.2	59.2	127	CN	1
0	20	10	50.0	29.9	70.1	127	CN	1
0	24	20	83.3	64.1	93.3	127	CN	1
0	20	16	80.0	58.4	91.9	127	CN	1
0	16	14	87.5	64.0	96.5	127	CN	1
0	21	17	81.0	60.0	92.3	127	CN	1
0	15	12	80.0	54.8	93.0	127	CN	1
0	12	10	83.3	55.2	95.3	127	CN	1
0	11	10	90.9	62.3	98.4	127	CN	1
0	7	4	57.1	25.0	84.2	127	CN	1
0	14	14	100.0	78.5	100.0	127	CN	1
1	160	127	79.4	72.5	84.9	127	CN	1
0	20	20	100.0	83.9	100.0	120	FR	1
0	60	57	95.0	86.3	98.3	127	CN	1
1	80	77	96.3	89.5	98.7	120, 127	CN, FR	2

0	27	3	11.1	3.9	28.1	87	CN	1
0	28	26	92.9	77.4	98.0	87	CN	1
0	31	30	96.8	83.8	99.4	87	CN	1
0	27	3	11.1	3.9	28.1	88	CN, HK	2
0	28	26	92.9	77.4	98.0	88	CN, HK	2
0	31	30	96.8	83.8	99.4	88	CN, HK	2
1	62	60	96.8	89.0	99.1	87, 88	CN, HK	2
0	27	3	11.1	3.9	28.1	87	CN	1
0	28	22	78.6	60.5	89.8	87	CN	1
0	31	23	74.2	56.8	86.3	87	CN	1
0	27	3	11.1	3.9	28.1	88	CN, HK	2
0	28	22	78.6	60.5	89.8	88	CN, HK	2
0	31	23	74.2	56.8	86.3	88	CN, HK	2
0	9	1	11.1	2.0	43.5	120	FR	1
0	14	7	50.0	26.8	73.2	120	FR	1
0	15	12	80.0	54.8	93.0	120	FR	1
1	77	58	75.3	64.6	83.6	87, 88, 120	CN, FR, HK	3
0	5	3	60.0	23.1	88.2	127	CN	1
0	9	4	44.4	18.9	73.3	127	CN	1
0	19	9	47.4	27.3	68.3	127	CN	1
0	23	13	56.5	36.8	74.4	127	CN	1
0	20	15	75.0	53.1	88.8	127	CN	1
0	24	20	83.3	64.1	93.3	127	CN	1

0	20	16	80.0	58.4	91.9	127	CN	1
0	16	15	93.8	71.7	98.9	127	CN	1
0	21	14	66.7	45.4	82.8	127	CN	1
0	15	12	80.0	54.8	93.0	127	CN	1
0	12	8	66.7	39.1	86.2	127	CN	1
0	11	7	63.6	35.4	84.8	127	CN	1
0	7	4	57.1	25.0	84.2	127	CN	1
0	14	12	85.7	60.1	96.0	127	CN	1
1	160	123	76.9	69.8	82.7	127	CN	1
0	20	19	95.0	85.4	100.0	120	FR	1
0	60	60	100.0	94.0	100.0	127	CN	1
1	80	79	98.8	93.3	99.8	120,127	CN,FR	2
0	94	47	50.0	40.1	59.9	48	FR	1
0	10	1	10.0	1.8	40.4	100	PT	1
1	104	48	46.2	36.9	55.7	48,100	FR,PT	2
0	14	14	100.0	78.5	100.0	100	PT	1
1	14	14	100.0	78.5	100.0	100	PT	1
0	35	12	34.3	20.8	50.8	61	HK	1
0	35	16	45.7	30.5	61.8	61	HK	1
0	45	5	11.1	4.8	23.5	61	HK	1
0	45	18	40.0	27.0	54.5	61	HK	1
1	160	51	31.9	25.2	39.4	61	HK	1
0	13	13	100.0	77.2	100.0	61	HK	1
1	13	13	100.0	77.2	100.0	61	HK	1
0	82	77	93.9	86.5	97.4	94	CH,CL	2
0	12	4	33.3	13.8	60.9	100	PT	1
1	94	81	86.2	77.8	91.7	94,100	CH,CL,PT	3
0	14	14	100.0	78.5	100.0	100	PT	1
1	14	14	100.0	78.5	100.0	100	PT	1
0	6	6	100.0	61.0	100.0	75	PL	1
1	6	6	100.0	61.0	100.0	75	PL	1
0	46	38	82.6	69.3	90.9	75	PL	1
1	46	38	82.6	69.3	90.9	75	PL	1
0	33	33	100.0	89.6	100.0	76	HR	1
1	33	33	100.0	89.6	100.0	76	HR	1

0	54	54	100.0	93.4	100.0	76	HR	1
1	54	54	100.0	93.4	100.0	76	HR	1
0	33	32	97.0	84.7	99.5	76	HR	1
1	33	32	97.0	84.7	99.5	76	HR	1
0	54	54	100.0	93.4	100.0	76	HR	1
1	54	54	100.0	93.4	100.0	76	HR	1
0	31	17	54.8	37.8	70.8	12	US	1
0	96	90	93.8	87.0	97.1	112	US	1
1	127	107	84.3	76.9	89.6	12, 112	US	1
0	69	69	100.0	94.7	100.0	12	US	1
1	69	69	100.0	94.7	100.0	12	US	1
0	50	46	92.0	81.2	96.8	73	CH	1
1	50	46	92.0	81.2	96.8	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	46	92.0	81.2	96.8	73	CH	1
1	50	46	92.0	81.2	96.8	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	8	7	87.5	52.9	97.8	140	FR	1
0	13	10	76.9	49.7	91.8	146	NL	1
1	21	17	81.0	60.0	92.3	140, 146	FR, NL	2
0	195	195	100.0	98.1	100.0	66	UK	1
0	2	2	100.0	34.2	100.0	140	FR	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	209	209	100.0	98.2	100.0	66, 140, 146	FR, NL, UK	3
0	21	20	95.2	77.3	99.2	75	PL	1
0	17	7	41.2	21.6	64.0	77	PL	1
0	4	1	25.0	4.6	69.9	77	PL	1
1	42	28	66.7	51.6	79.0	75, 77	PL	1
0	53	53	100.0	93.2	100.0	75	PL	1
0	5	5	100.0	56.6	100.0	77	PL	1
0	38	38	100.0	90.8	100.0	77	PL	1
1	96	96	100.0	96.2	100.0	75, 77	PL	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1

0	100	99	99.0	94.6	99.8	73	CH	1
1	100	99	99.0	94.6	99.8	73	CH	1
0	195	195	100.0	98.1	100.0	67	UK	1
1	195	195	100.0	98.1	100.0	67	UK	1
0	7	7	100.0	64.6	100.0	142	FR	1
1	7	7	100.0	64.6	100.0	142	FR	1
0	3	3	100.0	43.8	100.0	142	FR	1
1	3	3	100.0	43.9	100.0	142	FR	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	99	99.0	94.6	99.8	73	CH	1
1	100	99	99.0	94.6	99.8	73	CH	1
0	15	15	100.0	79.6	100.0	68	PL	1
0	13	12	92.3	66.7	98.6	146	NL	1
1	28	27	96.4	82.3	99.4	68, 146	NL, PL	2
0	62	56	90.3	80.5	95.5	68	PL	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	74	68	91.9	83.4	96.2	68, 146	NL, PL	2
0	25	24	96.0	80.5	99.3	107	PL	1
1	25	24	96.0	80.5	99.3	107	PL	1
0	48	48	100.0	92.6	100.0	107	PL	1
1	48	48	100.0	92.6	100.0	107	PL	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	48	96.0	86.5	98.9	73	CH	1
1	50	48	96.0	86.5	98.9	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	6	6	100.0	61.0	100.0	141	FR	1
1	6	6	100.0	61.0	100.0	141	FR	1
0	3	3	100.0	43.8	100.0	141	FR	1
1	3	3	100.0	43.9	100.0	141	FR	1

0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	45	90.0	78.6	95.7	73	CH	1
1	50	45	90.0	78.6	95.7	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	19	18	94.7	75.4	99.1	69	SE	1
0	6	6	100.0	61.0	100.0	96	CY	1
0	22	22	100.0	85.1	100.0	103	BE	1
0	58	58	100.0	93.8	100.0	126	NL	1
0	5	5	100.0	56.6	100.0	143	FR	1
1	110	109	99.1	95.0	99.8	69, 96, 103, 126, 143	BE, CY, FR, NL, SE	5
0	129	128	99.2	95.7	99.9	69	SE	1
0	466	466	100.0	99.2	100.0	96	CY	1
0	6	6	100.0	61.0	100.0	103	BE	1
0	30	30	100.0	88.6	100.0	126	NL	1
0	3	3	100.0	43.8	100.0	143	FR	1
1	634	633	99.8	99.1	100.0	69, 96, 103, 126, 143	BE, CY, FR, NL, SE	5
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	49	98.0	89.5	99.6	73	CH	1
1	50	49	98.0	89.5	99.6	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	46	46	100.0	92.3	100.0	96	CY	1
0	7	5	71.4	35.9	91.8	144	FR	1
0	13	11	84.6	57.8	95.7	146	NL	1
1	66	62	93.9	85.4	97.6	96, 144, 146	CY, FR, NL	3
0	29	29	100.0	88.3	100.0	70	UK	1
0	2887	2887	100.0	99.9	100.0	96	CY	1
0	3	3	100.0	43.8	100.0	144	FR	1

0	12	12	100.0	75.7	100.0	146	NL	1
1	2931	2931	100.0	99.9	100.0	70, 96, 144, 146	CY, FR, NL, UK	4
0	50	50	100.0	92.9	100.0	73	CH	1
0	34	33	97.1	85.1	99.5	76	HR	1
1	84	83	98.8	93.6	99.8	73, 76	CH, HR	2
0	100	98	98.0	93.0	99.4	73	CH	1
0	54	54	100.0	93.4	100.0	76	HR	1
1	154	152	98.7	95.4	99.6	73, 76	CH, HR	2
0	50	50	100.0	92.9	100.0	73	CH	1
0	34	33	97.1	85.1	99.5	76	HR	1
1	84	83	98.8	93.6	99.8	73, 76	CH, HR	2
0	100	96	96.0	90.2	98.4	73	CH	1
0	54	54	100.0	93.4	100.0	76	HR	1
1	154	150	97.4	93.5	99.0	73, 76	CH, HR	2
0	96	92	95.8	89.8	98.4	112	US	1
0	51	51	100.0	93.0	100.0	138	US	1
1	147	143	97.3	93.2	98.9	112, 138	US	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	98	98.0	93.0	99.4	73	CH	1
1	100	98	98.0	93.0	99.4	73	CH	1
0	51	49	96.1	86.8	98.9	138	US	1
1	51	49	96.1	86.8	98.9	138	US	1
0	50	49	98.0	89.5	99.6	73	CH	1
1	50	49	98.0	89.5	99.6	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	99	99.0	94.6	99.8	73	CH	1
1	100	99	99.0	94.6	99.8	73	CH	1
0	195	195	100.0	98.1	100.0	71	UK	1
1	195	195	100.0	98.1	100.0	71	UK	1
0	195	195	100.0	98.1	100.0	72	UK	1
1	195	195	100.0	98.1	100.0	72	UK	1
0	5	1	20.0	3.6	62.4	77	PL	1
1	5	1	20.0	3.6	62.4	77	PL	1
0	41	41	100.0	91.4	100.0	77	PL	1
1	41	41	100.0	91.4	100.0	77	PL	1
0	96	89	92.7	85.7	96.4	103	BE	1
0	51	51	100.0	93.0	100.0	138	US	1

1	147	140	95.2	90.5	97.7	103, 138	BE, US	2
0	62	62	100.0	94.2	100.0	103	BE	1
1	62	62	100.0	94.2	100.0	103	BE	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	13	12	92.3	66.7	98.6	146	NL	1
1	13	12	92.3	66.7	98.6	146	NL	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	12	12	100.0	75.8	100.0	146	NL	1
0	38	35	92.1	79.2	97.3	74	PL	1
1	38	35	92.1	79.2	97.3	74	PL	1
0	56	52	92.9	83.0	97.2	74	PL	1
1	56	52	92.9	83.0	97.2	74	PL	1
0	50	34	68.0	54.2	79.2	37	US	1
1	50	34	68.0	54.2	79.2	37	US	1
0	17	14	82.4	59.0	93.8	77	PL	1
1	17	14	82.4	59.0	93.8	77	PL	1
0	5	5	100.0	56.6	100.0	77	PL	1
1	5	5	100.0	56.6	100.0	77	PL	1
0	34	32	94.1	80.9	98.4	76	HR	1
1	34	32	94.1	80.9	98.4	76	HR	1
0	55	51	92.7	82.7	97.1	76	HR	1
1	55	51	92.7	82.7	97.1	76	HR	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	99	99.0	94.6	99.8	73	CH	1
1	100	99	99.0	94.6	99.8	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1

0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	13	10	76.9	49.7	91.8	146	NL	1
1	13	10	76.9	49.7	91.8	146	NL	1
0	195	195	100.0	98.1	100.0	78	UK	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	207	207	100.0	98.2	100.0	78, 146	NL, UK	2
0	40	40	100.0	91.2	100.0	121	FR	1
1	40	40	100.0	91.2	100.0	121	FR	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	13	13	100.0	77.2	100.0	146	NL	1
1	13	13	100.0	77.2	100.0	146	NL	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	12	12	100.0	75.8	100.0	146	NL	1
0	195	195	100.0	98.1	100.0	79	UK	1
1	195	195	100.0	98.1	100.0	79	UK	1
0	63	63	100.0	94.3	100.0	93	SI	1
0	63	60	95.2	86.9	98.4	93	SI	1
0	15	15	100.0	79.6	100.0	145	FR	1
1	141	138	97.9	93.9	99.3	93, 145	FR, SI	2
0	438	436	99.5	98.4	99.9	93	SI	1
0	152	151	99.3	96.4	99.9	93	SI	1
0	5	5	100.0	56.6	100.0	145	FR	1
1	595	592	99.5	98.5	99.8	93, 145	FR, SI	2
0	72	71	98.6	92.5	99.8	25	HK	1
1	72	71	98.6	92.5	99.8	25	HK	1
0	14	14	100.0	78.5	100.0	104	SI	1
1	14	14	100.0	78.5	100.0	104	SI	1
0	114	114	100.0	96.7	100.0	25	HK	1
0	17	17	100.0	81.6	100.0	104	SI	1
1	131	131	100.0	97.2	100.0	25, 104	HK, SI	2
0	14	10	71.4	45.4	88.3	104	SI	1
1	14	10	71.4	45.4	88.3	104	SI	1
0	17	17	100.0	81.6	100.0	104	SI	1
1	17	17	100.0	81.6	100.0	104	SI	1
0	14	14	100.0	78.5	100.0	104	SI	1
1	14	14	100.0	78.5	100.0	104	SI	1
0	17	17	100.0	81.6	100.0	104	SI	1
1	17	17	100.0	81.6	100.0	104	SI	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	97	97.0	91.5	99.0	73	CH	1
1	100	97	97.0	91.5	99.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	99	99.0	94.6	99.8	73	CH	1

1	100	99	99.0	94.6	99.8	73	CH	1
0	18	18	100.0	82.4	100.0	97	PL	1
1	18	18	100.0	82.4	100.0	97	PL	1
0	30	28	93.3	78.7	98.2	97	PL	1
1	30	28	93.3	78.7	98.2	97	PL	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	95	95.0	88.8	97.8	73	CH	1
1	100	95	95.0	88.8	97.8	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	13	12	92.3	66.7	98.5	146	NL	1
1	13	12	92.3	66.7	98.5	146	NL	1
0	195	195	100.0	98.1	100.0	80	UK	1
0	12	12	100.0	75.7	100.0	146	NL	1
1	207	207	100.0	98.2	100.0	80, 146	NL, UK	2
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	21	19	90.5	71.1	97.3	77	PL	1

1	21	19	90.5	71.1	97.3	77	PL	1
0	5	5	100.0	56.6	100.0	77	PL	1
1	5	5	100.0	56.6	100.0	77	PL	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	15	15	100.0	79.6	100.0	81	UK	1
1	15	15	100.0	79.6	100.0	81	UK	1
0	150	150	100.0	97.5	100.0	81	UK	1
1	150	150	100.0	97.5	100.0	81	UK	1
0	50	50	100.0	92.9	100.0	73	CH	1
1	50	50	100.0	92.9	100.0	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1
0	50	47	94.0	83.8	97.9	73	CH	1
1	50	47	94.0	83.8	97.9	73	CH	1
0	100	100	100.0	96.3	100.0	73	CH	1
1	100	100	100.0	96.3	100.0	73	CH	1

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Van: (10)(2e)
Aan: (10)(2e)
Onderwerp: Fwd: Coronadashboard datacheck
Datum: zondag 7 juni 2020 19:29:42

Verstuurd vanaf mijn iPhone

Begin doorgestuurd bericht:

Van: (10)(2e) <(10)(2e)@braxwell.com>
Datum: 5 juni 2020 om 21:47:33 CEST
Aan: (10)(2e) <(10)(2e)@kpmg.nl>, "(10)(2e)@rivm.nl"
 <(10)(2e)@rivm.nl>, "(10)(2e)@kpmg.nl)" <(10)(2e)@minvws.nl>,
 "(10)(2e)@kpmg.nl" <(10)(2e)@kpmg.nl>,
 "(10)(2e)@kpmg.nl" <(10)(2e)@kpmg.nl>
Kopie: "(10)(2e)" <(10)(2e)@amsterdam.nl>, (10)(2e)
 <(10)(2e)@intermin.nl>

Onderwerp: RE: Coronadashboard datacheck

Hoi allemaal,

Om, in afwachting van de geautomatiseerde checks, onze handmatige checks wat vlotter te laten verlopen, heb ik een scriptje gemaakt die de data uit acceptatie en productie naast elkaar zet. Zie resultaat hieronder.
Dit wordt uit de daadwerkelijke JSONs gehaald, dus het is per definitie gelijk aan wat er op de acceptatie resp. productie-website staat.

Natuurlijk blijft visuele check op het daadwerkelijke dashboard van belang, maar dit gaat volgens mij helpen. Al was het maar omdat je bijv. onderaan in één keer alle regio's kan zien en de optelsom t.o.v. het nationale getal.

Nu zijn acceptatie en productie uiteraard nog identiek, maar leek me goed deze nu alvast te delen, om vast te wennen :).

Zodra er morgenmiddag nieuwe data op acceptatie staat, zal ik een nieuwe versie rondsturen.

Goed weekend!

(10)(2e)

Intensive care-opnames per dag

	Acceptatie	Productie
Waarde	5.7	5.7
Datum	01-01, 00:00	01-01, 00:00

Lijst (laatste 5)

05-06	5.7	5.7
04-06	4.7	4.7
03-06	4	4
02-06	3.7	3.7
01-06	3.3	3.3

Ziekenhuisopnames per dag

	Acceptatie	Productie
Waarde	10.7	10.7
Datum	05-06, 10:00	05-06, 10:00

Lijst (laatste 5)

05-06	10.7	10.7
04-06	9	9
03-06	8	8
02-06	7.7	7.7
01-06	7.3	7.3

Positief geteste mensen (per dag/per 100.000)

	Acceptatie	Productie
Waarde	1.2	1.2
Datum	05-06, 10:00	05-06, 10:00

Lijst (laatste 5)

05-06	1.2	1.2
04-06	1.2	1.2
03-06	0.5	0.5
02-06	0.6	0.6
01-06	0.6	0.6

Positief geteste mensen (absoluut, totaal)

	Acceptatie	Productie
Waarde	47152	47152
Datum	05-06, 10:00	05-06, 10:00

Lijst (laatste 5)

05-06	47152	47152
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04-06	46942	46942
03-06	46733	46733
02-06	46647	46647
01-06	46545	46545

Leeftijdsgroepen positief geteste mensen

	Acceptatie	Productie
Lijst (laatste 5)		
80+	16	16
60 tot 80	36	36
40 tot 60	74	74
20 tot 40	67	67
0 tot 20	17	17

Aantal besmettelijke personen (per 100.000)

	Acceptatie	Productie
Waarde	9.9	9.9
Datum	29-05, 00:00	29-05, 00:00

Lijst (laatste 5)		
29-05	9.9	9.9

Aantal besmettelijke personen (absoluut)

	Acceptatie	Productie
Waarde	1715	1715
Datum	29-05, 00:00	29-05, 00:00

Lijst (laatste 5)		
29-05	1715	1715

Reproductiegetal

	Acceptatie	Productie
Waarde	0.87	0.87
Datum	15-05, 00:00	15-05, 00:00

Lijst (laatste 5)

15-05	0.87	0.87
14-05	0.85	0.85
13-05	0.86	0.86
12-05	0.85	0.85
11-05	0.84	0.84

Verpleeghuizen: Aantal positief geteste bewoners

	Acceptatie	Productie
Waarde	0	0
Datum	05-06, 00:00	05-06, 00:00

Lijst (laatste 5)

05-06	0	0
<small>(10) 2e</small>	<small>0 2</small>	<small>0 2</small>
<small>(10) 2e</small>	4	4
02-06	4	4
01-06	3	3

Verpleeghuizen: Sterfte

	Acceptatie	Productie
Waarde	0	0
Datum	05-06, 00:00	05-06, 00:00

Lijst (laatste 5)

05-06	0	0
04-06	3	3
03-06	2	2
02-06	3	3
01-06	5	5

Regionaal

Ziekenhuisopnames

	Acceptatie	Productie
Groningen	0	0
Fryslân	0.3	0.3
Drenthe	0	0
IJsselland	0	0
Twente	0.3	0.3
Noord- en Oost-Gelderland	1.3	1.3

Gelderland-Midden	0.3	0.3
Gelderland-Zuid	0	0
Utrecht	0.3	0.3
Noord-Holland-Noord	0	0
Zaanstreek-Waterland	0	0
Kennemerland	0	0
Amsterdam-Amstelland	0	0
Gooi en Vechtstreek	0	0
Haaglanden	3.7	3.7
Hollands-Midden	1	1
Rotterdam-Rijnmond	0.7	0.7
Zuid-Holland-Zuid	1.3	1.3
Zeeland	0	0
Midden- en West-Brabant	1	1
Brabant-Noord	0	0
Brabant-Zuidoost	0	0
Limburg-Noord	0.7	0.7
Limburg-Zuid	0	0
Flevoland	0	0
TOTAAL	10.9	10.9
Totaal uit NL.json	10.7	10.7

Besmette personen (per 100.000)

	Acceptatie	Productie
Groningen	0	0
Fryslân	0.2	0.2
Drenthe	0.7	0.7
IJsselland	0.4	0.4
Twente	0.3	0.3
Noord- en Oost-Gelderland	2.3	2.3
Gelderland-Midden	1	1
Gelderland-Zuid	2.2	2.2
Utrecht	2.1	2.1
Noord-Holland-Noord	0.2	0.2
Zaanstreek-Waterland	0.3	0.3
Kennemerland	1.8	1.8
Amsterdam-Amstelland	0	0
Gooi en Vechtstreek	0	0
Haaglanden	1.6	1.6
Hollands-Midden	1.4	1.4
Rotterdam-Rijnmond	2.2	2.2
Zuid-Holland-Zuid	1	1
Zeeland	1	1

Midden- en West-Brabant	1.6	1.6
Brabant-Noord	2	2
Brabant-Zuidoost	1.5	1.5
Limburg-Noord	0.8	0.8
Limburg-Zuid	2.8	2.8
Flevoland	0.8	0.8
TOTAAL	1.3	1.3
(genormaliseerd)		
Totaal uit NL.json	1.2	1.2

----- Oorspronkelijke afspraak -----

Van: (10)(2e)

Verzonden: vrijdag 5 juni 2020 15:01

Aan: (10)(2e); (10)(2e); (10)(2e) @rivm.nl; (10)(2e)

(10)(2e); (10)(2e) kpmg.nl; (10)(2e) kpmg.nl

CC: (10)(2e); (10)(2e)

Onderwerp: Coronadashboard datacheck

Tijd: zaterdag 6 juni 2020 16:00-16:30 (UTC+01:00) Amsterdam, Berlijn, Bern, Rome, Stockholm, Wenen.

Locatie: <https://pc.whereby.com/spcs-vws-cdb>

Link naar online meeting: (10)(2g)

Dagelijkse check op nieuwe data in acceptatie-omgeving:

(10)(2g)

Gebruikersnaam (10)(2g)

Wachtwoord (10)(2g)

(10)(2e) ik heb jullie er optioneel bij gezet, maar voel je vrij deze af te wijzen :)

Van: (10)(2e)
Aan: (10)(2e); (10)(2e)
Onderwerp: RE: Gebruik mobiele data tbv monitoring mobiliteit
Datum: woensdag 10 juni 2020 14:47:40

Aha, die had ik even over het hoofd gezien. Dus nog even afwachten wat de anderen aangeven, voordat we richting i&w reageren over hun bijdrage.

Van: (10)(2e) <(10)(2e)@minvws.nl>
Verzonden: woensdag 10 juni 2020 14:44
Aan: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>
Onderwerp: FW: Gebruik mobiele data tbv monitoring mobiliteit

Zie vorige mail

(10)(2e) (10)(2e)
 Senior beleidsadviseur crisisteam coronavirus a.i. | gezonde leefomgeving
 Ministerie van VWS
 T. +31 (10)(2e)
 E. (10)(2e)@minvws.nl

Van: (10)(2e) <j.v.leuken@minvws.nl>
Datum: dinsdag 02 jun. 2020 6:51 PM
Aan: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <f.tienhoven@minvws.nl>
Kopie: (10)(2e) - BD/PSD <(10)(2e)@nctv.minjenv.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>
Onderwerp: FW: Gebruik mobiele data tbv monitoring mobiliteit

Hi allen,

InW biedt expertise aan om te helpen met interpretatie van de telecomdata. Dat zou een wat omgekeerde wereld zijn (beleid helpt wetenschap), dus even navraag bij jullie: is dat logisch?

Inhoudelijk lijkt me geen bezwaar en kan het altijd nuttig zijn als zij iig tips etc kunnen delen.

(10)(2e)

Van: (10)(2e) - DGB <luuk.huttenhuis@minienw.nl>
Verzonden: dinsdag 2 juni 2020 17:27
Aan: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>
CC: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>;
 _Dienstpostbus DCC-VWS <(10)(2e)@minvws.nl>
Onderwerp: RE: Gebruik mobiele data tbv monitoring mobiliteit

Dag (10)(2e)
 Dank voor je snelle reactie. Ik kijk uit naar de reactie vanuit je collega's.
 Hartelijke groet,

(10)(2e)

Van: (10)(2e) <(10)(2e)@minvws.nl>**Verzonden:** dinsdag 2 juni 2020 16:57**Aan:** (10)(2e) DGB <(10)(2e)@minienw.nl> (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>**CC:** (10)(2e) <(10)(2e)@minvws.nl> (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>**Onderwerp:** RE: Gebruik mobiele data tbv monitoring mobiliteit

Beste (10)(2e)

Dank voor je mail! Binnen VWS heeft in ieder geval (10)(2e) zich ermee bezig gehouden.

(10)(2e) is vandaag gestart en is (volgens mij) hier de contactpersoon voor. Ik heb beide personen in de cc toegevoegd.

(10)(2e) willen jullie contact opnemen met (10)(2e)

Groet,

(10)(2e)

(10)(2e)

Ministerie van Volksgezondheid, Welzijn en Sport | Directie Publieke Gezondheid |
Afdeling Crisisbeheersing en Infectieziekten | Etage: (10)(2e)
(10)(2e)@minvws.nl | Mobiel: (10)(2e)
Parnassusplein 5 | 2511 VX | Den Haag |
Postbus 20350 | 2500 EJ | Den Haag |

Van: (10)(2e) DGB <(10)(2e)@minienw.nl>**Verzonden:** dinsdag 2 juni 2020 15:01**Aan:** (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e) <(10)(2e)@minvws.nl>**Onderwerp:** Gebruik mobiele data tbv monitoring mobiliteit

Beste (10)(2e)

Via (10)(2e) heb ik jullie namen doorgekregen als contactpersonen binnen VWS rondom de COVID-19 maatregelen. Ik mail jullie naar aanleiding van de berichten rondom de noodwet en het gebruik van telefoongegevens om het gedrag van mensen te kunnen monitoren in de openbare ruimte en in het OV.

Binnen IenW ben ik samen met een team betrokken bij de monitoring van het mobiliteitsgedrag tijdens de COVID-19 maatregelen. Hiervoor gebruiken wij verschillende bronnen om de ontwikkeling in de mobiliteit inzichtelijk te maken (o.a. OV-chipkaartdata, telgegevens op het wegennet, panelenquêtes incl. gebruik van telefoon). Hiermee schetsen wij wekelijks een beeld van de situatie in NL. We werken momenteel aan een meer regionaal beeld. In het Kamerdebat van afgelopen week over mobiliteit werd ook aandacht gevraagd voor het gebruik (maar ook de risico's) van telefoondata.

Naast de huidige monitoring hebben wij in het verleden ook gebruik gemaakt van telefoondata om mobiliteitspatronen te analyseren. Binnen IenW is daarom kennis aanwezig over hoe deze data gebruikt en geanalyseerd kan worden.

Ik ben benieuwd of jullie een contactpersoon voor mij hebben die betrokken is bij de noodwet en de analyse van de data. Ik zou namelijk graag meer informatie krijgen over het gebruik van de data en zou de kennis en expertise op het gebied van mobiliteit binnen IenW willen

aanbieden indien gewenst.

Ik hoor graag van jullie.
Hartelijke groet,



Dit bericht kan informatie bevatten die niet voor u is bestemd. Indien u niet de geadresseerde bent of dit bericht abusievelijk aan u is toegezonden, wordt u verzocht dat aan de afzender te melden en het bericht te verwijderen. De Staat aanvaardt geen aansprakelijkheid voor schade, van welke aard ook, die verband houdt met risico's verbonden aan het elektronisch verzenden van berichten.

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Van: (10)(2e)
Aan: (10)(2e); (10)(2e); (10)(2e); (10)(2e) @intermin.nl
Onderwerp: FW: opdracht lerend doen concept 9 juni middag
Datum: maandag 15 juni 2020 18:36:12
Bijlagen: [opdracht_lerend_doen_concept_9_juni_middag.docx](#)

Nav mijn app: zie onderstaande email van (10)(2e) + bijlage

Van: (10)(2e) <(10)(2e)@minvws.nl>

Verzonden: dinsdag 9 juni 2020 16:05

Aan: (10)(2e) <(10)(2e)@minvws.nl>; (10)(2e)

<rij.(10)(2e)@minvws.nl>

Onderwerp: opdracht lerend doen concept 9 juni middag

Beste (10)(2e)

Vandaag sprak ik jullie over uitwerking motie Veldman en specifieker de kennis over effecten van maatregelen en eventuele evaluaties buiten VWS. Bijgevoegd een eerste voorzet voor de aanpak vanuit een aantal overwegingen. Komende donderdag wordt erover gesproken in het afstemmingsoverleg en parallel is de vraag uitgezet voor teamleden. Jullie gaven beiden aan dat een volledig overzicht nu niet beschikbaar is. Dan kan dat een van de resultaten zijn. Ik ga ervan uit dat jullie tijd beperkt is (10)(2e) jij was daar expliciet over) dus heb de vraag voor een deelprojectleider uitgezet.

Wat eerste vragen zijn:

- Heb je algemene suggesties/ adviezen voor bijgevoegde aanpak?
- Hoe krijgen we een overzicht/ inventarisatie van de lopende studies naar effecten? Zijn daar logische vindplaatsen en/ of coördinatoren voor bij onze kennisinstellingen? Diezelfde vraag voor (tussen)evaluaties van partijen in het zorgdomein.
- Welke betrokkenheid zien jullie voor jezelf in dit proces? Zitten er activiteiten in die raken aan je eigen werk?

Groet, (10)(2e)

To: (10)(2e) [(10)(2e) @rivm.nl]
From: (10)(2e)
Sent: Mon 7/13/2020 5:55:31 PM
Subject: FW: FOR ACTION: Group authorship for: Geographic and temporal distribution of SARS-CoV-2 clades in the WHO European Region during the first half of 2020
Received: Mon 7/13/2020 5:55:32 PM
[Author feedback template group.xlsx](#)
[Geographic and temporal distribution of SARS-CoV-2 clades in the WHO European Region during the first half of 2020 FOR REVIEW.docx](#)

Voorbeeld van hoe ECDC dealt met enorme hoeveelheden auteurs *

From: (10)(2e) <(10)(2e)@ecdc.europa.eu>
Sent: donderdag 2 juli 2020 13:09
To: (10)(2e) @mail.ru' <(10)(2e)@mail.ru>; (10)(2e) @mail.ru' <(10)(2e)@mail.ru>; (10)(2e) @iliauni.edu.ge' <(10)(2e)@iliauni.edu.ge>; (10)(2e) @sheba.health.gov.il' <(10)(2e)@sheba.health.gov.il>; (10)(2e) @sheba.health.gov.il' <(10)(2e)@sheba.health.gov.il>; (10)(2e) @helsinki.fi' <(10)(2e)@helsinki.fi>; (10)(2e) @biocenter.kz' <(10)(2e)@biocenter.kz>; (10)(2e) @biocenter.kz' <(10)(2e)@biocenter.kz>; (10)(2e) @gmail.com' <(10)(2e)@gmail.com>; (10)(2e) @gmail.com' <(10)(2e)@gmail.com>; (10)(2e) @vector.nsc.ru' <(10)(2e)@vector.nsc.ru>; (10)(2e) @vector.nsc.ru' <(10)(2e)@vector.nsc.ru>; (10)(2e) @yandex.ru' <(10)(2e)@yandex.ru>; (10)(2e) @gmail.com' <(10)(2e)@gmail.com>; (10)(2e) @chumakovs.ru' <(10)(2e)@chumakovs.ru>; (10)(2e) @base2bio.com' <(10)(2e)@base2bio.com>; (10)(2e) @vsikv.com' <(10)(2e)@vsikv.com>; (10)(2e) @yahoo.com' <(10)(2e)@yahoo.com>; (10)(2e) @hcuge.ch' <(10)(2e)@hcuge.ch>; (10)(2e) @clutterunibas.ch' <(10)(2e)@clutterunibas.ch>; (10)(2e) @virology.uzh.ch' <(10)(2e)@virology.uzh.ch>; (10)(2e) @bsse.ethz.ch' <(10)(2e)@bsse.ethz.ch>; (10)(2e) @bsse.ethz.ch' <(10)(2e)@bsse.ethz.ch>; (10)(2e) @itu.edu.tr' <(10)(2e)@itu.edu.tr>; (10)(2e) @saglik.gov.tr' <(10)(2e)@saglik.gov.tr>; (10)(2e) @gmail.com' <(10)(2e)@gmail.com>; (10)(2e) @erciyes.edu.tr' <(10)(2e)@erciyes.edu.tr>; (10)(2e) @thsk.gov.tr' <(10)(2e)@thsk.gov.tr>; (10)(2e) @yahoo.com' <(10)(2e)@yahoo.com>; (10)(2e) @gmail.com' <(10)(2e)@gmail.com>; (10)(2e) @meduniwien.ac.at' <(10)(2e)@meduniwien.ac.at>; (10)(2e) @ages.at' <(10)(2e)@ages.at>; (10)(2e) @sciensano.be' <(10)(2e)@sciensano.be>; (10)(2e) @wiv-isp.be' <(10)(2e)@wiv-isp.be>; (10)(2e) @uzleuven.be' <(10)(2e)@uzleuven.be>; (10)(2e) @ncipd.org' <(10)(2e)@ncipd.org>; (10)(2e) @hzjz.hr' <(10)(2e)@hzjz.hr>; (10)(2e) @hzjz.hr' <(10)(2e)@hzjz.hr>; (10)(2e) @mphs.moh.gov.cy' <(10)(2e)@mphs.moh.gov.cy>; (10)(2e) @szu.cz' <(10)(2e)@szu.cz>; (10)(2e) @szu.cz' <(10)(2e)@szu.cz>; (10)(2e) @ssidk' <(10)(2e)@ssidk>; (10)(2e) @terviseamet.ee' <(10)(2e)@terviseamet.ee>; (10)(2e) @terviseamet.ee' <(10)(2e)@terviseamet.ee>; (10)(2e) @thl.fi' <(10)(2e)@thl.fi>; (10)(2e) @thl.fi' <(10)(2e)@thl.fi>; (10)(2e) @thl.fi' <(10)(2e)@thl.fi>; (10)(2e) @thl.fi' <(10)(2e)@thl.fi>; (10)(2e) @thl.fi' <(10)(2e)@thl.fi>; (10)(2e) @pasteur.fr' <(10)(2e)@pasteur.fr>; (10)(2e) @pasteur.fr' <(10)(2e)@pasteur.fr>; (10)(2e) @chu-lyon.fr' <(10)(2e)@chu-lyon.fr>; (10)(2e) @pasteur.fr' <(10)(2e)@pasteur.fr>; (10)(2e) @rki.de' <(10)(2e)@rki.de>; (10)(2e) @rki.de' <(10)(2e)@rki.de>; (10)(2e) @pasteur.gr' <(10)(2e)@pasteur.gr>; (10)(2e) @med.auth.gr' <(10)(2e)@med.auth.gr>; (10)(2e) @pasteur.gr' <(10)(2e)@pasteur.gr>; (10)(2e) @eody.gov.gr' <(10)(2e)@eody.gov.gr>; (10)(2e) @nnk.gov.hu' <(10)(2e)@nnk.gov.hu>; (10)(2e) @nnk.gov.hu' <(10)(2e)@nnk.gov.hu>; (10)(2e) @nnk.gov.hu' <(10)(2e)@nnk.gov.hu>; (10)(2e) @ucd.ie' <(10)(2e)@ucd.ie>; (10)(2e) @ucd.ie' <(10)(2e)@ucd.ie>; (10)(2e) @ucd.ie' <(10)(2e)@ucd.ie>; (10)(2e) @hpsc.ie' <(10)(2e)@hpsc.ie>; (10)(2e) @hse.ie' <(10)(2e)@hse.ie>; (10)(2e) @aslimnica.lv' <(10)(2e)@aslimnica.lv>; (10)(2e) @aslimnica.lv' <(10)(2e)@aslimnica.lv>; (10)(2e) @nvsp.lt' <(10)(2e)@nvsp.lt>; (10)(2e) @nvsp.lt' <(10)(2e)@nvsp.lt>; (10)(2e) @nvsp.lt' <(10)(2e)@nvsp.lt>; (10)(2e) @ins.etat.lu' <(10)(2e)@ins.etat.lu>; (10)(2e) @ins.etat.lu' <(10)(2e)@ins.etat.lu>; (10)(2e) @gov.mt' <(10)(2e)@gov.mt>; (10)(2e) @gov.mt' <(10)(2e)@gov.mt>; (10)(2e) @erasmusmc.nl' <(10)(2e)@erasmusmc.nl>; (10)(2e) @rivm.nl' <(10)(2e)@rivm.nl>; (10)(2e) @fhi.no' <(10)(2e)@fhi.no>; (10)(2e) @fhi.no' <(10)(2e)@fhi.no>; (10)(2e) @pzh.gov.pl' <(10)(2e)@pzh.gov.pl>; (10)(2e) @pzh.gov.pl' <(10)(2e)@pzh.gov.pl>; (10)(2e) @pzh.gov.pl' <(10)(2e)@pzh.gov.pl>; (10)(2e) @insa.min-saude.pt' <(10)(2e)@insa.min-saude.pt>; (10)(2e) @insa.min-saude.pt'

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(10)(2e) @ms.etat.lu' < (10)(2e) @ms.etat.lu>; (10)(2e) @ms.etat.lu' < (10)(2e) @ms.etat.lu>;
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< (10)(2e) @pzh.gov.pl>; (10)(2e) @dgs.min-saude.pt' < (10)(2e) @dgs.min-saude.pt>; (10)(2e) @insp.gov.ro'
< (10)(2e) @insp.gov.ro>; (10)(2e) @insp.gov.ro' < (10)(2e) @insp.gov.ro>; (10)(2e) @uvzsr.sk'
< (10)(2e) @uvzsr.sk>; (10)(2e) @nijz.si' < (10)(2e) @nijz.si>; (10)(2e) @nijz.si' < (10)(2e) @nijz.si>; (10)(2e) @isciii.es'
< (10)(2e) @isciii.es>; (10)(2e) @folkhalsomyndigheten.se' < (10)(2e) @folkhalsomyndigheten.se>;
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< (10)(2e) @folkhalsomyndigheten.se>; (10)(2e) @auth.gr' < (10)(2e) @auth.gr>; (10)(2e) @bio.aau.dk' < (10)(2e) @bio.aau.dk>;
(10)(2e) @ssi.dk' < (10)(2e) @ssi.dk>; (10)(2e) @helsinki.fi' < (10)(2e) @helsinki.fi>; (10)(2e) @univ-lyon1.fr' < (10)(2e) @univ-
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(10)(2e) @cemm.oew.ac.at' < (10)(2e) @cemm.oew.ac.at>; (10)(2e) @uliege.be' < (10)(2e) @uliege.be>;
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< (10)(2e) @UGent.be>; (10)(2e) @irb.hr' < (10)(2e) @irb.hr>; (10)(2e) @lfmotol.cuni.cz'
 < (10)(2e) @lfmotol.cuni.cz>; (10)(2e) @lfmotol.cuni.cz' < (10)(2e) @lfmotol.cuni.cz>; 'Sebastian Maurer-Stroh'
 < (10)(2e) @gmail.com>
Cc: (10)(2e) < (10)(2e) @ecdc.europa.eu>; PHE Support.Microbiology < (10)(2e) @ecdc.europa.eu>;
 (10)(2e) < (10)(2e) @ecdc.europa.eu>; (10)(2e) < (10)(2e) @who.int>

Subject: FOR ACTION: Group authorship for: Geographic and temporal distribution of SARS-CoV-2 clades in the WHO European Region during the first half of 2020

Dear colleagues,

You and your collaborators have previously been invited* to discuss the scope and participate in the creation of a manuscript that outlines the genetic clades and lineages of SARS-CoV-2 in the WHO European Region during the pandemic so far.

During a call on 2 June open to all laboratories in the WHO European Region contributing sequences to GISAID, we decided on the scope and formed a smaller writing group for drafting the manuscript.

The manuscript has now been drafted by the writing group together with representatives from the three nomenclatures included in the manuscript, and it is time to consult you on the draft.

We have decided to open up the number of authors per institute; you can contribute with as many authors as you want as long as they all fulfil the eligibility criteria, see below.

Please immediately forward this email to people in your institution and in your collaborating institutions that may be eligible and interested.

We are aware that people may be on holidays; please contact them anyway if you know that they are interested.

Please note that the figures and numbers in the manuscript will be updated with the newest GISAID data snapshot just before submission.

Please read the instructions carefully:

- The deadline for this consultation is **Thursday July 9th 23:59**
- To be eligible as an author, the person must fulfil **all** these **four** criteria:
 - Contributed actively to generation and/or analysis of sequence data submitted to GISAID from a country in the WHO European Region
 - Have critically revised the manuscript for intellectual content
 - Agree to be held accountable for the intellectual content
 - After the round of revisions approve the final version
- There is an excel template attached to this email, fill it in individually, per institution, or per several institutions (the fewer excel files the better), rename the file to reflect your institution's name and return it by email. Each author must personally have confirmed the content of each field in their row.
- All comments must go into the excel file, no comments in the manuscript itself please.
- As you already had the possibility to comment on the scope during the 2 June call, please do not include comments that involve a change in scope of the manuscript.

Due to the strict journal authorship guidelines, we will not be able to include as authors the persons that have not filled in the form and responded by the deadline (July 9th). Also note that the deadline for the approval for the final version will be shorter, so please check your email.

Thanks for your contributions, we are looking forward to your revision.

Best wishes,

(10)(2e)

* If you submitted sequence data to GISAID for the first time in June, you may previously not have been invited.



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