



SARS-CoV-2 Antigen Test Kit (Colloidal Gold)
Clinical Performance Evaluation Report

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Abstract

The clinical test of SARS-CoV-2 Antigen Test Kit (Colloidal Gold) was carried out; a comparative study was conducted, and clinical diagnostic criteria of pneumonia caused by novel coronavirus and the result of disease progression were used as the comparison method. This study is a retrospective study. Clinical trials were conducted in Shenzhen Center for Disease Control and Prevention (Shenzhen CDC), Wuhan Pulmonary Hospital (Wuhan Institute for Tuberculosis Control) and Guangdong Customs. Testing was performed from May to September 2020.

1 General

1.1 The source, biology and physicochemical properties of the measured object

A novel coronavirus is a β genus coronavirus. It is enveloped and has round or elliptic particles, usually pleomorphic, with a diameter of 60-140nm. Its genetic characteristics were significantly different from sars-cov and mers-cov. At present, its homology with of bat sars-like coronavirus (bat-sl-covzc45) is more than 85%.

At present, the infection source is mainly from novel coronavirus infected patients. Asymptomatic infections may also be a source of infection.

Respiratory droplets and close contact is the main route of transmission. It is possible to spread by aerosol in a relatively closed environment when exposed to a high concentration of aerosol for a long time. Since novel coronavirus can be isolated from feces and urine, note that feces and urine cause aerosol or contact transmission to the environment.

The crowd is generally susceptible. Based on the current epidemiological investigation, the incubation period is 1-14 days, most of which are 3-7 days. With fever, dry cough, fatigue as the main performance. A few patients were accompanied by nasal congestion, runny nose, sore throat, myalgia, and diarrhea. Severe patients developed dyspnea and/or hypoxemia one week after the onset of the disease, and in severe cases, they rapidly progressed to acute respiratory distress syndrome, septic shock, refractory metabolic acidosis, coagulation dysfunction and multi-organ failure. It is important to note that the course of severe and critical patients can be moderate or low fever, or even no obvious fever.

1.2 Clinical intended use

Genrui SARS-CoV-2 Antigen Test Kit (Colloidal Gold) is an immunochromatographic assay for rapid, qualitative detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) antigen from the oropharyngeal swab or nasopharyngeal swab. The test is to be used as an aid in the diagnosis of coronavirus infection disease (COVID-19), which is caused by SARS-CoV-2.

The test provides preliminary test results. Negative results cannot exclude SARS-CoV-2 infection and they cannot be used as the sole basis for treatment or other management decision.

For in vitro diagnostic use only. For professional use only.

1.3 Test Principle

This product uses highly specific antibody-antigen reaction and colloidal gold immunochromatographic technology. The reagent contains anti- SARS-CoV-2 monoclonal antibodies pre-fixed on the test area (T) on the membrane and anti SARS-CoV-2 monoclonal antibody gold-labeled conjugate labeled on the gold label pad.

During the test, the processed sample to be tested is dropped into the reagent loading place. When the sample contains SARS-CoV-2 antigen, the SARS-CoV-2 antigen in the sample is first combined with the anti- SARS-CoV-2 antibody labeled with colloidal gold, and then the conjugate is chromatographed on the membrane, and it is combined with another anti- SARS-CoV-2 antibody pre-immobilized on the membrane. When the anti- SARS-CoV-2 monoclonal antibody binds, a purple-red band will appear in the test area (T). If there is no SARS-CoV-2 antigen in the sample, there will be no purple-red band in the test area (T). Regardless of whether the SARS-CoV-2 antigen is present in the sample, a purple-red band will appear in the quality control area (C). The purple-red band in the quality control area (C) is the standard for judging whether there are enough samples and whether the chromatography process is normal, and it also serves as an internal control standard for reagents.

2 Research purposes

Qualitative detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) antigen was performed on oropharyngeal swab or nasopharyngeal swab specimen from confirmed/excluded SARS-CoV-2 cases with assessment reagent. The test results were compared with the clinical diagnostic criteria of covid-19 and the determination results of disease progression, and verify the clinical performance and effectiveness of the product.

3 Experiment management

3.1 Laboratory quality control

Formulated and strictly implemented the standard operating procedures for clinical testing projects, established laboratory quality control procedures, and regularly trained laboratory staff on quality control, statistics and various clinical testing techniques.

3.2 Statistics/data management

(1) The original data generated from the clinical trial shall be recorded and reviewed by the operator in a complete and accurate manner to ensure the reliability of the data and ensure that the conclusions in the clinical trial are derived from the original data.

(2) The process of statistical analysis of clinical trial data and the expression of its results adopt standard statistical methods, and the special person who is familiar with medical statistics is responsible for it.

4 Experiment design

4.1 Description of the experiment

The clinical diagnosis criteria of novel coronavirus pneumonia and the judgment of disease progression were selected as comparative methods for comparative study to verify the clinical performance of this product. This study is a clinically validated study using blind methods.

4.2 Experiment design and test method selection

(1) Sample size

According to the diagnostic criteria for novel coronavirus pneumonia, the sample oropharyngeal swab and nasopharyngeal swab confirmed cases no less than 60 and excluded cases no less than 200.

(2) Sample selection basis, selection criteria, exclusion criteria and exclusion criteria

1) Selection criteria

The enrolled population of the clinical trial should be the applicable population of the product, which should be suspected cases of novel coronavirus pneumonia. For

the definition of "suspected cases", refer to the "Novel Coronavirus Pneumonia Diagnosis and Treatment Program (Trial Version 7)".

The enrolled population of clinical trials should be able to represent various types of populations that suitable for the product, including confirmed cases of pneumonia (including partial recovery cases) and excluded cases of novel coronavirus infection.

a. According to the clinical diagnosis, refer to the sample storage period of the product manual, and select oropharyngeal swab or nasopharyngeal swab samples that meet the requirements.

b. There is no limitation on gender and age. Select oropharyngeal swab or nasopharyngeal swab samples of confirmed and excluded cases of novel coronavirus pneumonia.

2) Exclusion criteria

a. Those that did not meet the selection criteria and were selected by mistake;

b. Those that do not meet the sample storage requirements;

c. The sample information records are confusing or ambiguous.

3) Elimination criteria

a. Those that fail to meet the selection criteria and were selected by mistake and those who meet the exclusion criteria but not excluded;

b. Incorrect results due to operational errors and quality control failures.

(3) Sample collection, storage method, and transfer method

1) Sample collection

All samples come from the remaining samples of clinical testing. According to sample selection basis and selection criteria, swab samples are collected in clean, dry, waterproof containers that free of transmission media, preservatives, and detergents. Perform blind coding according to the blind coding and solve blindness procedures, and complete the sample selection.

2) Sample storage

The sample should be used as soon as possible after collection. If it cannot be used immediately, it must be stored at 2-8°C within 3 days. For long-term storage, it must be stored frozen below -70°C.

(4) Establishment of comparison method

The clinical diagnosis of novel coronavirus-infected pneumonia and the judgment results of disease progression (Reference PCR results) were selected as comparative method for comparative study.

(5) All products used in clinical trials

Reagent	Test reagents
Name	SARS-CoV-2 Antigen Test Kit (Colloidal Gold)
Specification / Model	25 T/Kit
Manufacturer	Genrui Biotech Inc.
LOT	20200307
Expiration date	20210906
Storage Condition	2-30°C

(6) Quality control method

1) Operation training

Before the start of this clinical trial, the manufacturer conducts training and pre-experiment on the trial researchers to enable the trial researchers to achieve the following goals after training:

- a. Familiar and understand the clinical trial plan, familiar with the "Instruction" of the reagents used, and master the operation steps.
- b. Be familiar with the safety instructions, precautions and relevant warnings in the "Instruction " of the reagents used.
- c. Confirm all the functions of the reagents used. If there are any abnormal conditions that do not conform to the "Instruction", the sponsor should be notified in time, and the test can be carried out after the abnormalities are eliminated.
- d. Implement unified recording methods and judgment standards.

2) Process control

a. The researcher should follow the requirements of the clinical trial record form and record the contents of the trial truthfully, in detail, and carefully to ensure that the content of the clinical trial record form is complete, true and reliable.

b. All observations and findings during this trial should be verified to ensure the reliability of the data and ensure that the conclusions in the clinical trial are derived from the original data.

c. In order to eliminate the influence of subjective deviations and personal preferences that may appear in the consciousness of the operator on the test results, this test uses a blind design.

3) Test control

The test is carried out in strict accordance with the instruction.

4) Security control

a. All human materials in this product have been determined to be free of HBsAg, HIV antibody, Treponema pallidum antibody and HCV antibody.

b. The clinical samples tested by this product are oropharyngeal swab or nasopharyngeal swab. The test researchers should strictly follow the requirements of the "National Clinical Inspection Operation Rules" and the instructions for use, wear masks and latex gloves to prevent biological contamination.

c. The product is not in direct contact with the patient during use. The samples tested are the remaining waste samples routinely tested by the test institute, and the data measured by this product are only used for clinical trials, not as a clinical test report issued by the hospital. There is no risk.

(7) Clinical performance evaluation method

Using clinical diagnostic criteria as controls, the clinical sensitivity, clinical specificity, and confidence interval of the detection reagent test results were calculated.

(8) Evaluation criteria of clinical performance statistical method

1) Statistical method

The results are summarized in the form of a 2×2 table, and the clinical sensitivity, clinical specificity, and confidence interval are calculated accordingly. A

two-sided test was used, and the statistically significant test level α was set at 0.05, and the parameter confidence interval was estimated to use 95% confidence interval.

2) Evaluation criteria

a. Clinical sensitivity

The results are summarized in the form of a 2×2 table, and the clinical sensitivity of the detection results is $\geq 85\%$.

b. Clinical specificity

The results are summarized in the form of a 2×2 table, and the clinical specificity of the detection results is $\geq 95\%$.

5 Analysis of clinical trial results

Using clinical diagnostic criteria as controls, the clinical sensitivity, clinical specificity, and confidence interval of the detection results were calculated.

		PCR method		Subtotal
		Pos	Neg	
SARS-CoV-2 Antigen	Pos	172	2	174
Test Kit (Colloidal Gold)	Neg	9	203	212
Subtotal		181	205	386

Positive Percent Agreement: 95.03% (95%CI:90.77% - 97.70%)

Negative Percent Agreement: 99.02% (95%CI: 96.52% - 99.88%)

Overall Percent Agreement: 97.15% (95%CI: 94.96% - 98.57%)

6 Discussion and conclusion

To conduct clinical trials on the SARS-CoV-2 Antigen Test Kit (Colloidal Gold) produced by Genrui Biotech Inc., the clinical diagnosis of novel coronavirus pneumonia and the judgment results of disease progression were used as comparative method for comparative study.

Statistical analysis results:

The clinical sensitivity of the detection results is 172/181: 95.03% (95%CI:90.77% - 97.70%); the clinical specificity of the detection results is: 203/205: 99.02%

(95%CI:96.52% - 99.88%). Overall Percent Agreement is 375/386: 97.15% (95%CI: 94.96% - 98.57%).

Statistical analysis results show that the SARS-CoV-2 Antigen Test Kit (Colloidal Gold) produced by Genrui Biotech Inc. meets the clinical needs.

7 Experimental data

No.	Subject number	Gender	Age	Sample type	Sampling date	Sample source	PCR test result	Antigen test result
1	N362	male	24	Nasopharyngeal swab	2020/1/26	Shenzhen CDC	-	-
2	179	male	19	Oropharyngeal swab	2020/1/26	Shenzhen CDC	+	-
3	475	Female	47	Oropharyngeal swab	2020/1/26	Shenzhen CDC	+	+
4	441	Female	35	Oropharyngeal swab	2020/1/26	Shenzhen CDC	+	+
5	534	male	32	Oropharyngeal swab	2020/1/26	Shenzhen CDC	+	+
6	448	male	25	Nasopharyngeal swab	2020/1/27	Shenzhen CDC	+	+
7	585	Female	30	Nasopharyngeal swab	2020/1/27	Shenzhen CDC	+	+
8	111	male	78	Nasopharyngeal swab	2020/1/27	Shenzhen CDC	+	+
9	871	male	38	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
10	702	male	61	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	-
11	715	Female	59	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
12	592	male	25	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
13	614	Female	51	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
14	764	Female	63	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
15	834	male	49	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
16	707	Female	49	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
17	863	Female	69	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+

18	825	Female	64	Oropharyngeal swab	2020/1/27	Shenzhen CDC	+	+
19	N465	male	40	Oropharyngeal swab	2020/1/28	Shenzhen CDC	-	-
20	N94	Female	56	Oropharyngeal swab	2020/1/28	Shenzhen CDC	-	-
21	N180	male	36	Oropharyngeal swab	2020/1/28	Shenzhen CDC	-	-
22	N37	Female	24	Oropharyngeal swab	2020/1/28	Shenzhen CDC	-	-
23	N383	Female	38	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
24	N69	male	23	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
25	N170	Female	37	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
26	N196	male	38	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
27	N459	male	41	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
28	N375	Female	22	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
29	N404	male	23	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	+
30	N242	male	49	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
31	N293	male	31	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
32	N418	male	28	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
33	N286	Female	52	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	-	-
34	466	Female	32	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+
35	254	Female	47	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+
36	225	male	37	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+
37	727	Female	35	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	-
38	263	male	39	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+
39	177	Female	64	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+

40	517	Female	3	Nasopharyngeal swab	2020/1/28	Shenzhen CDC	+	+
41	482	male	34	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
42	828	male	33	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
43	804	male	31	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
44	527	male	31	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
45	607	Female	67	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
46	806	male	86	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	-
47	164	Female	52	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
48	342	Female	38	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
49	201	Female	59	Oropharyngeal swab	2020/1/28	Shenzhen CDC	+	+
50	N324	Female	27	Oropharyngeal swab	2020/1/29	Shenzhen CDC	-	-
51	N373	Female	41	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
52	N388	Female	33	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
53	N253	male	24	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
54	N331	Female	50	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
55	N193	Female	24	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
56	N41	Female	56	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
57	N216	male	29	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
58	N163	Female	31	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
59	N78	Female	67	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
60	N207	male	36	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
61	N43	male	25	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-

62	N62	male	1	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
63	N264	male	27	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
64	N438	Female	61	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
65	N250	Female	55	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
66	N72	male	40	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
67	N57	Female	63	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
68	N144	male	49	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
69	N100	Female	57	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
70	N125	male	40	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	-	-
71	243	Female	43	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
72	446	Female	57	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
73	195	Female	52	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
74	514	male	25	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
75	709	Female	43	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
76	136	male	66	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
77	756	male	48	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
78	240	Female	49	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
79	578	Female	57	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	-
80	469	male	48	Nasopharyngeal swab	2020/1/29	Shenzhen CDC	+	+
81	542	male	70	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
82	730	Female	38	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
83	569	Female	55	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+

84	301	male	75	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
85	184	Female	18	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
86	854	male	14	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
87	590	Female	62	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
88	304	Female	33	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
89	573	male	55	Oropharyngeal swab	2020/1/29	Shenzhen CDC	+	+
90	N46	male	1	Oropharyngeal swab	2020/1/30	Shenzhen CDC	-	-
91	N291	Female	32	Oropharyngeal swab	2020/1/30	Shenzhen CDC	-	-
92	N302	Female	54	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
93	N467	male	50	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	+
94	N136	male	42	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
95	N425	male	63	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
96	N421	male	27	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
97	N341	Female	73	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
98	N223	Female	30	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
99	N31	male	56	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
100	N338	male	24	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	-	-
101	538	male	41	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	+	+
102	510	Female	56	Nasopharyngeal swab	2020/1/30	Shenzhen CDC	+	+
103	562	male	66	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
104	545	male	46	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
105	435	Female	66	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+

106	737	male	37	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
107	869	male	34	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
108	772	Female	47	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
109	479	Female	78	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
110	288	male	47	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
111	525	Female	65	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
112	576	male	57	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
113	271	male	65	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
114	647	Female	31	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
115	151	male	20	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
116	684	Female	61	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
117	540	Female	25	Oropharyngeal swab	2020/1/30	Shenzhen CDC	+	+
118	N315	male	56	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
119	N431	male	29	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
120	N390	Female	6	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
121	N173	male	3	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
122	N151	male	37	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
123	N35	male	10	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
124	N175	Female	33	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
125	N322	Female	36	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
126	N220	Female	36	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
127	N121	male	40	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-

128	N83	Female	1	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
129	N191	male	1	Oropharyngeal swab	2020/1/31	Shenzhen CDC	-	-
130	N29	Female	35	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
131	N103	male	27	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
132	N66	male	57	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
133	N96	Female	37	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
134	N434	Female	65	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
135	N355	Female	39	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
136	N360	male	62	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
137	N327	Female	56	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
138	N452	Female	37	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
139	N308	male	36	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
140	N397	male	51	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
141	N454	male	51	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
142	N75	male	53	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
143	N310	Female	63	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
144	N128	Female	64	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
145	N201	male	31	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
146	N149	male	57	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
147	N139	Female	20	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
148	N447	male	10	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
149	N300	male	62	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-

150	N270	male	53	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
151	N317	male	1	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
152	N408	male	6	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	-	-
153	395	male	70	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
154	779	male	37	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
155	146	male	67	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	-
156	433	Female	67	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
157	496	Female	25	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
158	368	male	35	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	-
159	630	Female	25	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
160	236	Female	25	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
161	234	Female	38	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
162	761	Female	67	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
163	361	Female	65	Nasopharyngeal swab	2020/1/31	Shenzhen CDC	+	+
164	857	Female	60	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
165	174	Female	33	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
166	80	Female	5	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
167	123	male	50	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
168	396	Female	50	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
169	658	male	18	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
170	464	Female	61	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
171	126	Female	37	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+

172	217	Female	60	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
173	749	Female	36	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
174	162	Female	33	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
175	817	male	36	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
176	625	Female	56	Oropharyngeal swab	2020/1/31	Shenzhen CDC	+	+
177	N185	male	71	Oropharyngeal swab	2020/2/1	Shenzhen CDC	-	-
178	N474	male	55	Oropharyngeal swab	2020/2/1	Shenzhen CDC	-	-
179	N275	Female	38	Oropharyngeal swab	2020/2/1	Shenzhen CDC	-	-
180	N198	male	34	Oropharyngeal swab	2020/2/1	Shenzhen CDC	-	-
181	N358	Female	6	Oropharyngeal swab	2020/2/1	Shenzhen CDC	-	-
182	N366	male	75	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
183	N386	male	25	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
184	N347	male	22	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
185	N155	Female	34	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
186	N344	male	48	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
187	N119	male	20	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
188	N64	Female	65	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
189	N114	male	21	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
190	N370	Female	62	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
191	N48	Female	30	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
192	N26	male	16	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
193	N112	Female	43	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-

194	N59	male	54	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
195	N209	Female	21	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
196	N157	male	64	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
197	N364	Female	32	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
198	N142	male	62	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
199	N400	male	56	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
200	N133	Female	30	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
201	N153	male	37	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
202	N379	Female	36	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
203	N440	male	57	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
204	N350	male	42	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	-	-
205	265	male	19	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	+
206	838	male	58	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	+
207	600	male	35	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	-
208	609	male	56	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	+
209	149	male	74	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	+
210	251	Female	40	Nasopharyngeal swab	2020/2/1	Shenzhen CDC	+	+
211	680	male	12	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
212	865	Female	8	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
213	290	Female	53	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
214	559	Female	58	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
215	274	male	33	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+

216	636	Female	67	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
217	800	Female	31	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
218	352	male	40	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
219	356	male	34	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
220	583	male	70	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
221	725	male	65	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
222	677	male	43	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
223	720	male	8	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
224	699	Female	36	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
225	512	Female	65	Oropharyngeal swab	2020/2/1	Shenzhen CDC	+	+
226	N415	Female	25	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
227	N412	male	51	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
228	N444	Female	32	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
229	N357	male	64	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
230	N282	Female	53	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
231	N289	Female	24	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
232	N247	male	29	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
233	N50	Female	30	Oropharyngeal swab	2020/2/2	Shenzhen CDC	-	-
234	N159	Female	38	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
235	N353	male	53	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
236	N108	male	62	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
237	N245	male	25	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-

238	N258	Female	64	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
239	N168	Female	56	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
240	N105	Female	39	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
241	N237	male	57	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
242	N88	male	38	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
243	N428	Female	26	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
244	N188	male	56	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
245	N227	Female	35	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
246	N177	male	56	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
247	N117	Female	33	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
248	N442	male	50	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
249	N131	male	31	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
250	N135	Female	59	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
251	N279	male	50	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
252	N91	male	55	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
253	N381	male	10	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
254	N39	male	25	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
255	N334	male	53	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
256	N450	Female	38	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
257	N219	male	62	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
258	N165	Female	5	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-
259	N161	Female	44	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	-	-

260	693	Female	75	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
261	277	male	47	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
262	797	Female	47	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
263	843	male	28	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
264	462	Female	34	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
265	453	Female	32	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
266	598	Female	39	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
267	239	male	48	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
268	169	Female	45	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
269	426	male	25	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
270	272	male	43	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
271	831	male	46	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
272	704	Female	33	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
273	214	Female	36	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
274	367	Female	44	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
275	185	Female	53	Nasopharyngeal swab	2020/2/2	Shenzhen CDC	+	+
276	775	Female	65	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
277	233	Female	34	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
278	751	Female	50	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
279	492	Female	4	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
280	143	male	71	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
281	650	male	38	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+

282	553	Female	37	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
283	213	male	31	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
284	503	Female	20	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
285	822	male	29	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
286	859	Female	53	Oropharyngeal swab	2020/2/2	Shenzhen CDC	+	+
287	3972502	male	45	Oropharyngeal swab	2020/5/1	Wuhan Pulmonary Hospital	-	-
288	3972790	male	72	Oropharyngeal swab	2020/5/4	Wuhan Pulmonary Hospital	-	-
289	3972585	male	56	Oropharyngeal swab	2020/5/11	Wuhan Pulmonary Hospital	-	-
290	3972695	male	42	Oropharyngeal swab	2020/5/14	Wuhan Pulmonary Hospital	-	-
291	3972567	Female	71	Oropharyngeal swab	2020/5/15	Wuhan Pulmonary Hospital	+	+
292	3972568	male	32	Nasopharyngeal swab	2020/5/15	Wuhan Pulmonary Hospital	+	+
293	3972569	male	11	Nasopharyngeal swab	2020/5/15	Wuhan Pulmonary Hospital	+	+
294	3972571	Female	29	Nasopharyngeal swab	2020/5/15	Wuhan Pulmonary Hospital	+	+
295	3972572	male	28	Oropharyngeal swab	2020/5/15	Wuhan Pulmonary Hospital	+	+
296	3972559	male	89	Nasopharyngeal swab	2020/5/17	Wuhan Pulmonary Hospital	+	+
297	3972560	Female	80	Oropharyngeal swab	2020/5/17	Wuhan Pulmonary Hospital	+	+
298	3972626	male	77	Oropharyngeal	2020/5/17	Wuhan	+	+

				swab		Pulmonary Hospital		
299	3972671	male	49	Oropharyngeal swab	2020/5/17	Wuhan Pulmonary Hospital	-	-
300	3972473	male	81	Oropharyngeal swab	2020/5/18	Wuhan Pulmonary Hospital	+	+
301	3972651	male	41	Oropharyngeal swab	2020/5/18	Wuhan Pulmonary Hospital	-	-
302	3972693	male	61	Nasopharyngeal swab	2020/5/18	Wuhan Pulmonary Hospital	-	-
303	3972714	male	59	Nasopharyngeal swab	2020/5/18	Wuhan Pulmonary Hospital	-	-
304	3972788	male	77	Nasopharyngeal swab	2020/5/20	Wuhan Pulmonary Hospital	-	-
305	3972683	male	35	Oropharyngeal swab	2020/5/21	Wuhan Pulmonary Hospital	-	-
306	3972684	male	49	Nasopharyngeal swab	2020/5/21	Wuhan Pulmonary Hospital	-	-
307	3972567	Female	71	Oropharyngeal swab	2020/5/22	Wuhan Pulmonary Hospital	+	+
308	3972830	male	62	Nasopharyngeal swab	2020/5/22	Wuhan Pulmonary Hospital	-	-
309	3972750	male	57	Nasopharyngeal swab	2020/5/24	Wuhan Pulmonary Hospital	-	-
310	3972559	male	89	Oropharyngeal swab	2020/5/25	Wuhan Pulmonary Hospital	+	+
311	3972560	Female	80	Nasopharyngeal swab	2020/5/25	Wuhan Pulmonary Hospital	+	+
312	3972570	Female	48	Nasopharyngeal swab	2020/5/25	Wuhan Pulmonary Hospital	+	+

313	3972626	male	77	Oropharyngeal swab	2020/5/25	Wuhan Pulmonary Hospital	+	+
314	3972739	male	31	Nasopharyngeal swab	2020/5/26	Wuhan Pulmonary Hospital	-	-
315	3972760	Female	46	Oropharyngeal swab	2020/5/26	Wuhan Pulmonary Hospital	-	-
316	3972792	male	26	Nasopharyngeal swab	2020/5/26	Wuhan Pulmonary Hospital	-	-
317	3972812	male	27	Nasopharyngeal swab	2020/5/26	Wuhan Pulmonary Hospital	-	-
318	3972842	male	29	Nasopharyngeal swab	2020/5/26	Wuhan Pulmonary Hospital	-	-
319	3972567	Female	71	Oropharyngeal swab	2020/5/27	Wuhan Pulmonary Hospital	+	+
320	3972626	male	77	Nasopharyngeal swab	2020/5/27	Wuhan Pulmonary Hospital	+	+
321	3972785	male	62	Nasopharyngeal swab	2020/5/27	Wuhan Pulmonary Hospital	-	-
322	3972853	male	29	Oropharyngeal swab	2020/5/27	Wuhan Pulmonary Hospital	-	-
323	3972626	male	77	Nasopharyngeal swab	2020/5/28	Wuhan Pulmonary Hospital	+	+
324	3972798	male	26	Oropharyngeal swab	2020/5/28	Wuhan Pulmonary Hospital	-	-
325	3972805	male	62	Nasopharyngeal swab	2020/5/28	Wuhan Pulmonary Hospital	-	-
326	3972843	male	62	Oropharyngeal swab	2020/5/28	Wuhan Pulmonary Hospital	-	-
327	3972849	Female	26	Oropharyngeal swab	2020/5/28	Wuhan Pulmonary Hospital	-	-

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328	3972301	male	46	Nasopharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	+	+
329	3972560	Female	80	Oropharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	+	+
330	3972829	male	69	Oropharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	-	-
331	3972837	male	55	Oropharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	-	-
332	3972838	Female	31	Oropharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	-	-
333	3972847	male	65	Oropharyngeal swab	2020/5/29	Wuhan Pulmonary Hospital	-	-
334	3972567	Female	71	Nasopharyngeal swab	2020/5/30	Wuhan Pulmonary Hospital	+	-
335	3972626	male	77	Nasopharyngeal swab	2020/5/30	Wuhan Pulmonary Hospital	+	+
336	3972852	male	42	Nasopharyngeal swab	2020/5/30	Wuhan Pulmonary Hospital	-	-
337	3972856	Female	64	Oropharyngeal swab	2020/5/30	Wuhan Pulmonary Hospital	-	-
338	3972626	male	77	Oropharyngeal swab	2020/5/31	Wuhan Pulmonary Hospital	+	+
339	3972559	male	89	Oropharyngeal swab	2020/6/1	Wuhan Pulmonary Hospital	+	+
340	3972560	Female	80	Oropharyngeal swab	2020/6/2	Wuhan Pulmonary Hospital	+	+
341	3972560	Female	80	Nasopharyngeal swab	2020/6/5	Wuhan Pulmonary Hospital	+	+
342	3973100	Female	84	Oropharyngeal	2020/6/9	Wuhan	-	-

				swab		Pulmonary Hospital		
343	3973101	Female	55	Oropharyngeal swab	2020/6/9	Wuhan Pulmonary Hospital	-	-
344	3973107	Female	28	Oropharyngeal swab	2020/6/9	Wuhan Pulmonary Hospital	-	-
345	3973109	male	50	Nasopharyngeal swab	2020/6/9	Wuhan Pulmonary Hospital	-	-
346	3973110	male	85	Oropharyngeal swab	2020/6/9	Wuhan Pulmonary Hospital	-	-
347	3973090	Female	37	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
348	3973091	male	37	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
349	3973103	Female	44	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
350	3973104	male	58	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
351	3973106	Female	37	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
352	3973114	Female	57	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
353	3973115	Female	23	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
354	3973117	Female	17	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
355	3973119	male	80	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
356	3973120	Female	48	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-

357	3973121	Female	44	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
358	3973123	male	55	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
359	3973126	Female	54	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
360	3973127	Female	33	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
361	3973128	Female	41	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
362	3973130	Female	13	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
363	3973131	Female	49	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
364	3973133	Female	48	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
365	3973135	male	48	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
366	3973137	male	51	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
367	3973138	Female	28	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
368	3973139	Female	55	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
369	3973140	male	35	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
370	3973145	male	57	Oropharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-
371	3973151	Female	36	Nasopharyngeal swab	2020/6/10	Wuhan Pulmonary Hospital	-	-

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372	G2020080 20001	male	34	Oropharyngeal swab	2020/8/2	Guangdong Customs	+	+
373	G2020090 40001	Female	40	Oropharyngeal swab	2020/9/4	Guangdong Customs	+	+
374	G2020090 40002	Female	29	Oropharyngeal swab	2020/9/4	Guangdong Customs	+	+
375	G2020090 40003	Female	18	Nasopharyngeal swab	2020/9/4	Guangdong Customs	+	+
376	G2020090 40004	male	59	Nasopharyngeal swab	2020/9/4	Guangdong Customs	+	+
377	G2020090 40005	male	28	Nasopharyngeal swab	2020/9/4	Guangdong Customs	+	+
378	G2020090 40006	Female	49	Oropharyngeal swab	2020/9/4	Guangdong Customs	+	+
379	G2020090 40007	male	29	Nasopharyngeal swab	2020/9/4	Guangdong Customs	+	+
380	G2020090 40008	male	27	Oropharyngeal swab	2020/9/4	Guangdong Customs	+	+
381	G2020090 40009	male	27	Nasopharyngeal swab	2020/9/4	Guangdong Customs	+	+
382	G2020090 40010	male	30	Oropharyngeal swab	2020/9/4	Guangdong Customs	+	+
383	G2020090 60001	Female	25	Nasopharyngeal swab	2020/9/6	Guangdong Customs	+	+
384	G2020090 60002	male	42	Oropharyngeal swab	2020/9/6	Guangdong Customs	+	+
385	G2020091 20001	male	44	Nasopharyngeal swab	2020/9/12	Guangdong Customs	+	+
386	G2020092 50001	male	34	Oropharyngeal swab	2020/9/25	Guangdong Customs	+	+