

To: [redacted] [redacted]@rivm.nl
From: [redacted]
Sent: Wed 2/3/2021 11:00:34 AM
Subject: RE: Doorst: Refrigerator validation
Received: Wed 2/3/2021 11:00:35 AM

Hoi [redacted]

[redacted] 5.1.1d

Ik ga dit terugkoppelen naar Saba. Verder even de status van mijn kant:
- Eustasius: heb ik een vraag van [redacted] gehad en verwerkt. Ik heb verder geen reactie meer gehad.
- Aruba & overig: nog niets mogen ontvangen.

Groet [redacted]

From: [redacted] <[redacted]@rivm.nl>
Sent: woensdag 3 februari 2021 09:27
To: [redacted] <[redacted]@rivm.nl>
Subject: RE: Doorst: Refrigerator validation

Hi [redacted]

[redacted] 5.1.1d

[redacted] 5.1.2i dus deze impact is voor nu minimaal.
Ik begrijp heel goed dat ze prio geven aan de vriezer.

Koppel jij dit terug?

[redacted] 5.1.2e

Van: [redacted] <[redacted]@rivm.nl>
Verzonden: woensdag 3 februari 2021 07:54
Aan: [redacted] <[redacted]@rivm.nl>
Onderwerp: FW: Doorst: Refrigerator validation

Hallo [redacted]

[redacted] 5.1.1d

Zie onder, ik heb geen idee van de impact van deze keuze, dus ik laat dit even aan jou over.

Groet, [redacted] 5.1.2e

From: [redacted] <[redacted]@sabagov.nl>
Sent: dinsdag 2 februari 2021 20:38
To: [redacted] <[redacted]@rivm.nl>
Subject: RE: Doorst: Refrigerator validation

Dear [redacted] 5.1.2e

Due to the urgent need to validate the freezer for the covid-19 vaccine, we will be delayed in re-validating the refrigerator. There are only 11 loggers available and we will need to use these for the freezer validation as this is top priority at the moment. After this we will re-validate the refrigerator.

If you have any questions or suggestions, please let me know. Thank you kindly.

Kind regards,

[redacted] 5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: Wednesday, January 27, 2021 3:33 PM
To: 5.1.2e <5.1.2e@sabagov.nl>
Subject: RE: Doorst: Refrigerator validation

Hi 5.1.2e
Attached you will find the instruction for the logger. I have received this instruction from 5.1.2e maybe you have it received already.

Please note: if you press the button of the logger, the logger will stop measuring. This way you prevent high values at the end of the mapping.
Also, I hope you can try to delete all the data in the logger (if that's possible), otherwise there will be a risk that the logger is full of data. But I am not sure if you can delete data.

Good luck and if you have any questions, please let me know!!

5.1.2e
5.1.2e

Dienst Vaccinvoorziening en Preventieprogramma's (RIVM-DVP)
Rijksinstituut voor Volksgezondheid en Milieu
A. van Leeuwenhoeklaan 9 | 3721 MA | Bilthoven | kamer 5.1.2e
Postbus 1 | 3720 BA | Bilthoven

M: 5.1.2e

From: 5.1.2e <5.1.2e@sabagov.nl>
Sent: dinsdag 26 januari 2021 20:00
To: 5.1.2e <5.1.2e@rivm.nl>
Cc: 5.1.2e <5.1.2e@sabagov.nl>; 5.1.2e <5.1.2e@sabagov.nl>
Subject: RE: Doorst: Refrigerator validation

Hi 5.1.2e

Tomorrow at 10 am would not be very workable , Would tomorrow at 11am or Thursday at 10 am be an option for you?

Also WebEx is okay for me. Thanks.

Kind Regards,
5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: Tuesday, January 26, 2021 2:21 PM
To: 5.1.2e <5.1.2e@sabagov.nl>
Cc: 5.1.2e @saba.gov' <5.1.2e@saba.gov>; 5.1.2e <5.1.2e@sabagov.nl>
Subject: RE: Doorst: Refrigerator validation

Hi 5.1.2e

Thanks for your fast response, a call would indeed be nice.
As we are 5 hours in time in front of you, I would prefer a call in the morning (your time) .
Is tomorrow at 4 pm (NL time)/ 10 am (Saba time) workable for you?
I cannot set up a Zoom meeting, I can do GoToMeeting or Webex. Are these okay for you as well?
Otherwise I would like to ask if you can set up the meeting.

5.1.2e
5.1.2e

Dienst Vaccinvoorziening en Preventieprogramma's (RIVM-DVP)
Rijksinstituut voor Volksgezondheid en Milieu

A. van Leeuwenhoeklaan 9 | 3721 MA | Bilthoven | kamer 5.1.2e
Postbus 1 | 3720 BA | Bilthoven

M: 5.1.2e

From: 5.1.2e <5.1.2e@sabagov.nl>

Sent: maandag 25 januari 2021 21:39

To: 5.1.2e <5.1.2e@rivm.nl>

Cc: 5.1.2e <5.1.2e@saba.gov> <5.1.2e@saba.gov>; 5.1.2e <5.1.2e@sabagov.nl>; 5.1.2e <5.1.2e@rivm.nl>

Subject: RE: Doorst: Refrigerator validation

Dear 5.1.2e

Some of the loggers did not register the correct times on the temperature logger print-outs and so showed an inaccurate start time and end time . The start time and the end time of the test are accurately noted in the IOPQ validation report.

The loggers registered the initial logger turn on temperature before putting them in the fridge and it also registered the transport time after the test (the time it took for us to walk back to our office), this is the root cause for the high values which contributed to higher average.

Attached is a clearer read out of the open door test and also the logger certificates.

A Phone call will indeed be easier I think, we can better explain the reasoning behind some of the data.

You can reach me by 5.1.2e or if you would prefer a zoom call please let me know.

Thank you.

Kind regards,

5.1.2e

5.1.2e

Public Health Department Saba

5.1.2e

5.1.2e

Public Health Department Saba

Email: 5.1.2e@sabagov.nl

Web: www.sabagov.nl

Phone:

5.1.2e

Cell: <http://www.facebook.com/sabapublichealth>

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Please consider the environment before printing this e-mail.

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: Monday, January 25, 2021 1:27 PM
To: 5.1.2e <5.1.2e@sabagov.nl>
Cc: 5.1.2e @saba.gov' <5.1.2e@saba.gov>; 5.1.2e <5.1.2e@sabagov.nl>; 5.1.2e <5.1.2e@rivm.nl>
Subject: FW: Doorst: Refrigerator validation

Dear 5.1.2e
I have received the validation report from 5.1.2e many thanks for completing it.
I am responsible for verifying the IQOQPQ report. I do have some questions where I hope you can help me:

1. I do miss some data of the loggers:

24h mapping test from 12JAN 3:13 pm to 13JAN 3:13 pm

- Logger 1: data report starts at 5:29 pm (and was then 25.4 degrees)
- Logger 5: data report starts at 5:27 pm (and was then 25.4 degrees)
- Logger 7: data report starts at 5:26 pm (and was then 26.5 degrees)
- Logger 8: data report starts at 5:13 pm (and was then 26.5 degrees)
- Logger 10: data report starts at 5:26 pm (and was then 26.5 degrees)

Open door test from 13JAN 4:53 pm to 6:53 pm

- Logger 1-6: data report starts at 20:09 pm
- Logger 7: data report starts at 4:18 pm, 4:48 pm the refrigerator was 8 degrees, not a good start for an open door test.
- Logger 8 -10, see logger 7 with unreadable data until 4:38 pm

Power failure test 14JAN 2:10 pm (power on 3:10 pm) to 5:10 pm

- Logger 2-5 : data report starts at 17:00 pm

2. The average, highest and lowest values (result 9.2 in protocol) are based on the temperatures including stability time. Is this assumption correct? Because the test results of 24h mapping can start when the 24 hours start in this case 12JAN 3:13 pm.
3. I see at the start of some tests that loggers have extreme high values (for example: 25 degrees 2 hours after the test, see the 24h mapping). Can you confirm this is correct? Can you explain the root cause? Were the loggers in the refrigerator at time of the 24h mapping?
4. Is it possible to also send me the excel data, so that I can calculate the average?
5. The calibration section has not been completed, as you do not know what it is. My question is if there was a kind of certificate included by the loggers. It is a one page document.

I am more than happy to discuss my issues by phone, maybe that is easier.

5.1.2e
5.1.2e

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Rijksinstituut voor Volksgezondheid en Milieu
A. van Leeuwenhoeklaan 9 | 3721 MA | Bilthoven | kamer 5.1.2e
Postbus 1 | 3720 BA | Bilthoven

M: 5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>

Sent: vrijdag 22 januari 2021 17:46

To: 5.1.2e <5.1.2e@rivm.nl>

Subject: Doorst: Refrigerator validation

Validatie ik Saba

Van: 5.1.2e <5.1.2e@sabagov.nl>

Datum: 22 januari 2021 om 12:45:36 AST

Aan: 5.1.2e <5.1.2e@rivm.nl>

CC: 5.1.2e <5.1.2e@sabagov.nl>, 5.1.2e <5.1.2e@sabagov.nl>

Onderwerp: Refrigerator validation

Dear 5.1.2e

Please see attached validation report of refrigerator.

Kind regards,

5.1.2e
5.1.2e

Public Health Department Saba

5.1.2e
5.1.2e

Public Health Department Saba

Email: 5.1.2e@sabagov.nl

Web: www.sabagov.nl

Phone: 5.1.2e

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