

To: 5.1.2e [redacted] 5.1.2e [redacted]@rivm.nl]
Cc: 5.1.2e [redacted] 5.1.2e [redacted]@rivm.nl]
From: 5.1.2e [redacted] [JRDNL]
Sent: Tue 12/14/2021 8:53:47 PM
Subject: RE: Virus variants and vaccines
Received: Tue 12/14/2021 8:54:49 PM
[commercial MTA EVAg](#) 5.1.2e [RIVM 14.12.21 b.docx](#)

Hi 5.1.2e [redacted]

Find attached the MTA with our details filled in, basically untouched. Let me know how to best proceed from here for signature and virus. I heard from 5.1.2e [redacted] that the sequencing looked fine?

Thanks

5.1.2e [redacted]

From: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Sent: Thursday, 9 December 2021 17:31
To: 5.1.2e [redacted] [JRDNL] <5.1.2e [redacted]@its.jnj.com>
Cc: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi, 5.1.2f [redacted]

5.1.2f [redacted]

Best wishes 5.1.2e [redacted]

From: 5.1.2e [redacted] [JRDNL] <5.1.2e [redacted]@its.jnj.com>
Sent: donderdag 9 december 2021 17:28
To: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Cc: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Subject: RE: Virus variants and vaccines

Hi 5.1.2e [redacted]

Great. Attached the standard MTA with small modifications/comments based on our communication to sign it after receiving the virus to have some clarity if acceptable as while I am happy to receive the virus we have internal compliance to follow

Best

5.1.2e [redacted]

From: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Sent: Wednesday, 8 December 2021 10:26
To: 5.1.2e [redacted] [JRDNL] <5.1.2e [redacted]@its.jnj.com>
Cc: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

Yes that will be fine.

5.1.1c [redacted] is standard fee for virus isolates. Tomorrow EOB we will know the sequence of the stock.

Best wishes 5.1.2e [redacted]

From: 5.1.2e [redacted] [JRDNL] <5.1.2e [redacted]@its.jnj.com>
Sent: dinsdag 7 december 2021 18:02
To: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Cc: 5.1.2e [redacted] <5.1.2e [redacted]@rivm.nl>
Subject: RE: Virus variants and vaccines

Hi 5.1.2e [redacted]

One additional question in regards to sharing. 5.1.2f [redacted]

5.1.2f [redacted]

5.1.2f [redacted] The other question for our HCC approval process (to backdate the MTA): what is the commercial cost charged by EVAg for this if you know?

Best

5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: Monday, 6 December 2021 15:06
To: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>
Cc: 5.1.2e <5.1.2e@rivm.nl>
Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

Sorry, 5.1.2f

Best wishes 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>
Sent: maandag 6 december 2021 13:48
To: 5.1.2e <5.1.2e@rivm.nl>
Cc: 5.1.2e <5.1.2e@rivm.nl>
Subject: RE: Virus variants and vaccines

Dear 5.1.2e

Good to hear that you have been able to grow virus and your offer to share the virus early as it should help us for a better vaccine evaluation! To understand fully what this will mean in relation to the MTA, could you share that with us 5.1.2f

5.1.2f

Thank you for making this happen,

5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: Monday, 6 December 2021 11:18
To: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>
Cc: 5.1.2e <5.1.2e@rivm.nl>
Subject: [EXTERNAL] Virus variants and vaccines

Dear 5.1.2e

With respect to the Omicron-variant isolate:

Currently we have a P2 available, isolated and grown on VeroE6 cells from two different isolates. We have not titrated the stocks yet, neither has the sequence been checked whether it is the same as the consensus sequence of the clinical sample. That information is not available before the end of this week.

We have a P2 isolate on Vero Slam cells available most probably at the end of the week. Same story with respect to sequencing/titration.

Conditions if you wish to get virus at this stage:

1. You need to arrange a certified courier to pick it up.
2. Use of the virus stock is at own risk (no guarantee whether the sequence is alright ie cell culture adaptations)
3. As soon as we have the virus in the EVAg catalogue you will order the virus through that catalogue, this way the request will end up in our workflow towards a MTA. We trust that this will happen if we send the virus already at this stage.
4. MTA will be standard EVAg for commercial or non-commercial parties.

Please let me know if this is fine for you, otherwise next week more info on the state of affairs from our side. Best wishes 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>

Sent: donderdag 2 december 2021 18:10

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

Subject: RE: Virus variants and vaccines

Hi 5.1.2e

Hope you were successful in isolating a virus or will be soon. I was wondering if it is worth talking to your legal already to see how virus could be shared with us other than via EVAg for a fast omicron response, without distracting you from your work.

Thanks

5.1.2e

5.1.2e



mobile: 5.1.2e

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

Sent: maandag 29 november 2021 10:11

To: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>

Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

Yes we did everything the past days. The sequences will be released today after another round of check as there are obviously already sequences in GISAID that have sequencing mistakes. The first swabs were in buffer incompatible with culture. We hope to get better materials today 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>

Sent: maandag 29 november 2021 09:37

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

Subject: RE: Virus variants and vaccines

H 5.1.2e

Although not wished for that omicron is already in the country, there are cases now from travelers out of RSA and I hope you will be able to get a swab to grow and isolate virus. Next to that, were you involved in the sequencing as well? We are in the process of updating our vaccine, for that the current public available sequences are limited and may not reflect the "true" sequence of the variant. Hence it would be good to understand if a full and verified sequence of RIVM sequencing would become available.

Sorry for stalking you by email, as I can imagine you are busy, however if omicron is indeed as expected to escape Ab responses having access to reagents/knowledge to update the vaccine is key.

Best

5.1.2e

5.1.2e



mobile: 5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: vrijdag 26 november 2021 17:20
To: 5.1.2e [JRDNL] <5.1.2e@its.inj.com>
Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

Yes smae path as earlier but we have no cases to put on cells yet. Best 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.inj.com>
Sent: vrijdag 26 november 2021 14:04
To: 5.1.2e <5.1.2e@rivm.nl>
Subject: RE: Virus variants and vaccines

Hi 5.1.2e

Hope you are doing fine and had some time to breath until this wave and now with the new variant looming posing a potential threat. Hence, here we are back to the same discussion as earlier in the year. In case you isolate B.1.1.529 – is there a fast path forward to share it with multiple shareholders. In the end one partner of us would be again WBVR, and that worked out last time. I wanted to ask now, even if you probably have not isolated the variant yet (and may never will).

Best

5.1.2e

5.1.2e



mobile: 5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: woensdag 31 maart 2021 20:17
To: 5.1.2e [JRDNL] <5.1.2e@its.inj.com>
Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

I agree completely but it is not for me to decide. I'm chasing and pushing... 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.inj.com>

Sent: woensdag 31 maart 2021 20:16

To: 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@rivm.nl>
 Cc: 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@wur.nl>; 5.1.2e <5.1.2e@rivm.nl>
 Subject: RE: Virus variants and vaccines

Hi 5.1.2e

Would it be a solution to restrict it to work for Janssen and the SARS-COV-2 based on Ad26? I would think it should be more open as it would help general research for bringing forward any SARS-COV-2 research that WBVR is contracted with.

Best

5.1.2e

5.1.2e



mobile: 5.1.2e

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

Sent: woensdag 31 maart 2021 19:39

To: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>; 5.1.2e <5.1.2e@rivm.nl>
 Cc: 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@wur.nl>; 5.1.2e <5.1.2e@rivm.nl>
 Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

Just to let you know that it is back at our lawyers as the virus is used by WBVR for contract research. This means our stock is part of an end product offered by WBVR that is used to offer services against payment. The government has been very strict about this, it can be used for validation/evaluation of vaccines, antivirals and diagnostic tests by the party that the MTA is signed with but not when they do it for third parties against payment. That is where I'm at now. I'm trying to reach out to the lawyer. My apologies, this is really out of my hands.

Best 5.1.2e

From: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>

Sent: woensdag 31 maart 2021 18:22

To: 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@rivm.nl>
 Cc: 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@wur.nl>; 5.1.2e <5.1.2e@rivm.nl>
 Subject: RE: Virus variants and vaccines

Dear all,

Good to hear that things are moving and that the MTA is agreed. Hope to see it signed so the virus can be shipped eventually. Please let me know if I can do anything to facilitate further as a contract between RIVM and WUR and Janssen will only benefit for vaccine testing.

Best

5.1.2e

5.1.2e



mobile: 5.1.2e

From: 5.1.2e <5.1.2e@rivm.nl>
Sent: donderdag 11 maart 2021 21:42**To:** 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>; 5.1.2e <5.1.2e@rivm.nl>**Cc:** 5.1.2e <5.1.2e@rivm.nl>; 5.1.2e <5.1.2e@wur.nl>; 5.1.2e <5.1.2e@rivm.nl>**Subject:** [EXTERNAL] RE: Virus variants and vaccines

Ok, great!

And we trust the mta will be signed so we can arrange pick-up soon next week. 5.1.2e

Van: 5.1.2e [JRDNL] <5.1.2e@its.jnj.com>
Datum: 11 maart 2021 om 21:30:43 CET**Aan:** 5.1.2e <5.1.2e@rivm.nl>, 5.1.2e <5.1.2e@rivm.nl>**CC:** 5.1.2e <5.1.2e@rivm.nl>, 5.1.2e <5.1.2e@wur.nl>, 5.1.2e <5.1.2e@rivm.nl>**Onderwerp:** RE: Virus variants and vaccines

Dear both,

Thank you for the fast response and the effort in this! Yes please cancel both orders and 5.1.2e from WBVR will place a new order.

Best

5.1.2e

5.1.2e



mobile: 5.1.2e

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

Sent: donderdag 11 maart 2021 18:16

To: [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] [JRDNL] <[REDACTED]@its.jnj.com>
 Cc: [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@wur.nl>; [REDACTED] <[REDACTED]@rivm.nl>
 Subject: [EXTERNAL] RE: Virus variants and vaccines

Hi,

To clarify: WBVR should place the new order indicating that they will use the strains for commercial contract research.

Best [REDACTED]

From: [REDACTED] <[REDACTED]@rivm.nl>

Sent: donderdag 11 maart 2021 17:48

To: [REDACTED] [JRDNL] <[REDACTED]@its.jnj.com>; [REDACTED] <[REDACTED]@rivm.nl>
 Cc: [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@wur.nl>; [REDACTED] <[REDACTED]@rivm.nl>
 Subject: RE: Virus variants and vaccines

Dear [REDACTED]

I saw the order from WUR in the system and I was going to contact the person who placed it today. The problem is that the project description does not clearly indicate that the material will be used for commercial contract research, but this changes the type of MTA that will be signed.

In order to speed up the process, we can propose the following to you:

I will cancel all open orders (both the orders from Janssen and the new order from WBVR). You place a new order in the system clearly stating in the project description that the material will be used for commercial contract research. If you place the order today or tomorrow morning, I can send you the MTA tomorrow for review. Please note that due to the very high number of demands we are currently facing, we cannot accept any substantial changes to the MTA at the moment. Once you send me a scan of a signed MTA copy, we can arrange the shipment early next week or a pick-up at RIVM.

Please let me know how you would like to proceed?

Best wishes,

[REDACTED]

[REDACTED]

National Institute for Public Health and the Environment
 A. van Leeuwenhoeklaan 9, 3721 MA Bilthoven, The Netherlands

Contact:

T: [REDACTED]
 M: [REDACTED]
 e-mail: [REDACTED]@rivm.nl

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.
www.rivm.nl/en Committed to health and sustainability

From: [REDACTED] [JRDNL] <[REDACTED]@its.jnj.com>

Sent: donderdag 11 maart 2021 15:33

To: [REDACTED] <[REDACTED]@rivm.nl>
 Cc: [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@rivm.nl>; [REDACTED] <[REDACTED]@wur.nl>
 Subject: RE: Virus variants and vaccines

Hi [REDACTED]

Unfortunately, I only got hold of the information that the process is stalled again as we wanted to work with WBVR as the service provider for animal experiments and an MTA between Janssen and RIVM would not help. WBVR contacted EVAg on the request for virus, but the reaction there was low. I therefore wanted with this email to facilitate the MTA between RIVM and WBVR that would need to be put in place. Please let me and [REDACTED] from WBVR know if this more direct connection for a MTA would work for you.

Best

5.1.2e

5.1.2e



mobile:

5.1.2e

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to health and sustainability

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to health and sustainability

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to health and sustainability

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to health and sustainability

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*

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

www.rivm.nl De zorg voor morgen begint vandaag

This message may contain information that is not intended for you. If you are not the addressee or if this message was sent to you by mistake, you are requested to inform the sender and delete the message. RIVM accepts no liability for damage of any kind resulting from the risks inherent in the electronic transmission of messages.

www.rivm.nl/en Committed to *health and sustainability*