



Sars-cov-2 / questions

1 message

Thu, Mar 31, 2022 at 17:56

To: NitscheA@rki.de

Dear Andreas Nitsche,

I have read a lot of studies.

I notice the use of nucleic acid extraction directly from the patient sample without the use of cell cultures.

Have you ever tried centrifugation of sars-cov-2 particles in a density gradient directly from a patient sample without the use of cell cultures and then extraction of RNA from purified sars-cov-2 particles?

And, I cant find anywhere procedure (detailed documentation) for negative controlled experiment for CPE in any study.

Could you send me documentation (any of your studies with or without supplementary materials) so I could reproduce the negative control for CPE?

Or, if you dont have documented procedure for negative control for CPE in any of your studies, you probably have detailed laboratory procedure for negative control for CPE documented somewhere?

I would like to reproduce your results for negative controlled experiment for CPE.

Kind Regards,





Sars-cov-2 / questions

1 message

Grossegasse, Marica <GrossegasseM@rki.de>

Fri, Apr 1, 2022 at 10:49

Cc: Nitsche, Andreas <NitscheA@rki.de>

Hello

Thank you for your email. We purified SARS particles by density gradient. However, just from cell culture derived virus, as you wrote. The challenge with purifying SARS from patient samples is that you won't get a visible band. It works, for example, for poxviruses, where large amounts of virus is present in the crust material.

Regarding CPE: What studies are you referring to in detail? We have different CPE-controlled assays, e.g. neutralization test, virus culture,...

Kind regards,
Marica

Dr. Marica Grossegasse
Robert Koch Institute
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13353 Berlin
Germany

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Sars-cov-2 / questions

1 message

Fri, Apr 1, 2022 at 12:30

To: Grossegessse, Marica <GrossegessseM@rki.de>

Dear Marica,

Thank you very much for you quick response and explanations.

Virus culture!

I am interested in the standard detailed procedure of experimental conditions for non-infected cell culture cells (negative controls for CPE).

It doesn't have to be exclusively for sars-cov-2. Because you've (or your colleagues) done it with other viruses.

Can you send me lab. records so I could reproduce the experiment?

(And maybe the neutralization test too, it looks interesting. :) If I'm asking too much, then without the neutralization test)

I am very grateful for your explanations and help!

Kind regards,

[Quoted text hidden]



Sars-cov-2 / questions

1 message

Grossegasse, Marica <GrossegasseM@rki.de>

Fri, Apr 1, 2022 at 13:17

To: [redacted]
Cc: Nitsche, Andreas <NitscheA@rki.de>, Bourquain, Daniel <BourquainD@rki.de>

Dear [redacted]

For CPE controls the cells are treated analogous to the infected cells, but without virus.

Please understand that we are not allowed to share any protocols with a private person. I can only refer to our publications, where infection experiments are described in detail.

Best regards,

Marica

— — —
Dr. Marica Grossegasse
Robert Koch Institute
Centre for Biological Threats and Special Pathogens
Highly Pathogenic Viruses (ZBS 1)
Seestr. 10
13353 Berlin
Germany

[redacted]
[redacted]

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Sars-cov-2 / questions

1 message

Fri, Apr 1, 2022 at 13:24

To: Grossegesse, Marica <GrossegesseM@rki.de>

Dear Marica,

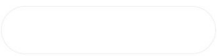
Please describe me the details of the standard procedure so I can reproduce your results of the mentioned standard procedure for negative controlled experiment for CPE.

You dont have to send me records.

There is no detailed description of negative controlled experiment for CPE in any scientific publication or any supplementary materials.

Thank you for your help!

Kind Regards,



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Sars-cov-2 / questions

1 message

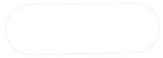
Fri, Apr 1, 2022 at 13:28

To: Grossegesse, Marica <GrossegesseM@rki.de>

Dear Marcia,

Yes, please send me any publication with details (not just "we treated it in the same way or something like that cos it is no useful at all)

Regards,



On Fri, Apr 1, 2022, 13:17 Grossegesse, Marica <GrossegesseM@rki.de> wrote:

[Quoted text hidden]



Sars-cov-2 / questions

1 message

Sat, Apr 2, 2022 at 10:08

To: Grossegessse, Marica <GrossegessseM@rki.de>

Dear Marcia,

I have another idea!

Given the standard procedure of negative controlled experiment for CPE (viral culture), I'm sure you can write me the procedure. You don't have to send me the lab. records.

I would be very grateful to you.

That would be a 100% clear answer from you without any possibilty for misinterpretation of the mentioned controlled experiment.

I hope you can help me!

Kind Regards,


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