

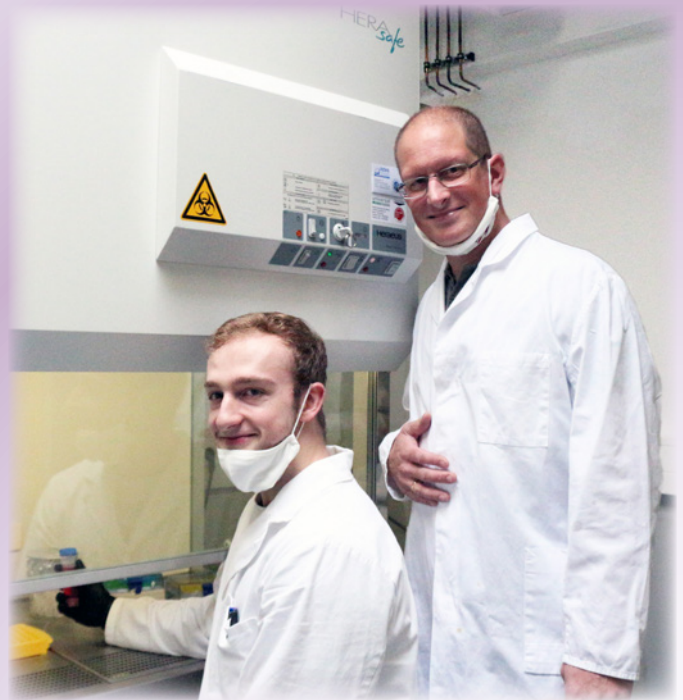
Antiviral Effect Substance and Surface Testing

Antiviral Assay for Coronavirus at BioMed Center Innovation

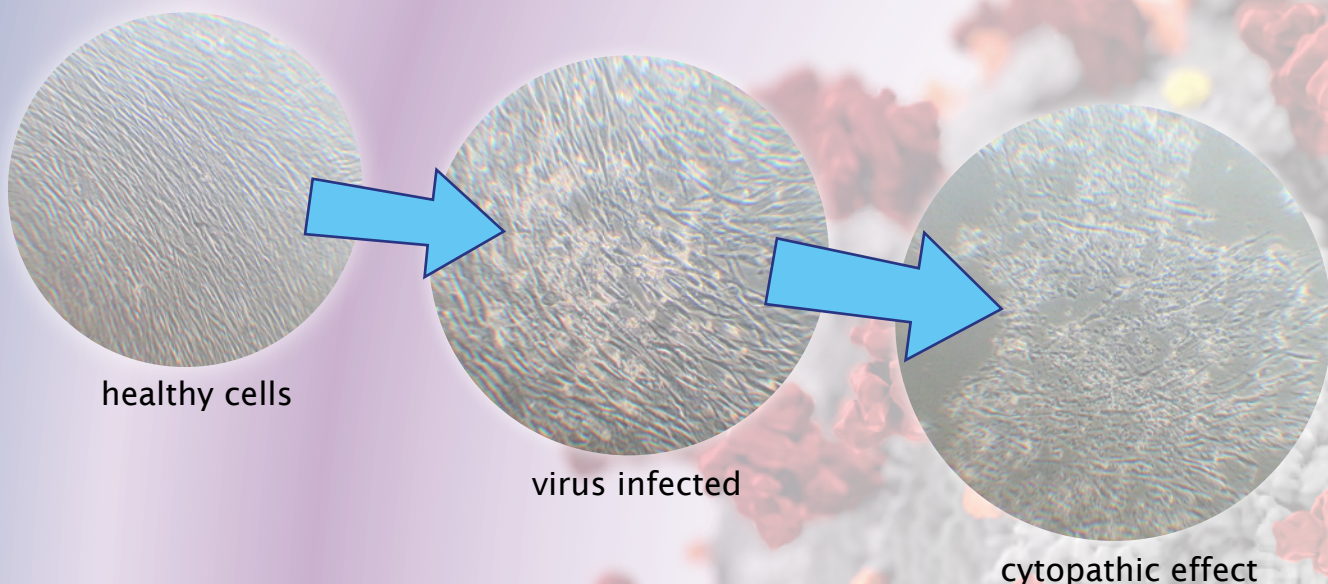
- *Does your material protect against virus?*
- *Do you have active surfaces or treatments that inactivate or destroy viruses?*
- *Do you have a generally antiviral compound?*
- *Do you need scientific proof for its efficiency?*

Then you should talk to us. Our assay identifies unspecific antiviral effects that affect coronaviruses in general.

The procedure is based on the interaction with a model coronavirus and detects a hindrance of infection or reduction of activity on competent target cells.



Together against Covid-19 - robust testing strategies for your solutions.



In our biosafety level 2 lab we do both classic antiviral effect testing and novel procedures that simulate droplet exposition of surfaces and surface-interaction tests. We have developed a special spray assay to come closer to reality for surfaces, protective techniques and masks. The effect is assayed by endpoint-analysis on a competent cell line.

- Testing antiviral effects, focussed on coronaviruses, of substances or solutions like disinfectants; the assays is based on the recommendations of the RKI
- Assay for materials of the effect on a model coronavirus (HCoV 299E)
- Spray assay to test the infection-reducing effect of surfaces or surface-treatments on droplets of virus suspension
- Dependence on droplet size, time, interacting substances (e.g. protein, oil)

How do we test?

Step 1: Exposure to virus

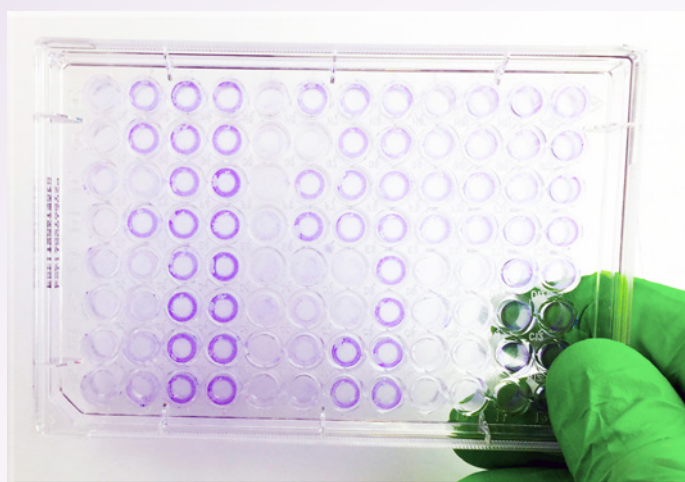
Either a droplet or a fog of sprayed virus solution is spread on the sample and incubated for a defined time.

Step 2: Sampling

The virus is washed of the samples using a defined medium.

Step 3: Evaluation

The infection capability of the virus is detected using a well plate with a competent cell line, calculating the remaining active virus concentration and the reduction compared to a control.



Start taking part in the active fight against Corona today - contract us to examine your solutions for antiviral effects.

We are happy to consult you for your personal testing strategy any time.

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