

Testing of the antiviral equipped product

„*LUCITE*[®] *MultiResist Pro*“

against the *Bovine Coronavirus (BoCV)* at 25 °C

- Evaluation of the virucidal activity against the *Bovine Coronavirus (S379 Riems)*
using the quantitative carrier test according to ISO 21702:2019

- Excerpt from the test report *TeR_Dörk-01_161120_BoCV* -

by

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Aim of the testing and performing the test

The antiviral equipped product **LUCITE[®] MultiResist Pro** should be tested for its ability to inactivate the **Bovine Coronavirus**.

The *Bovine Coronavirus* belongs to the virus genus *Betacoronavirus* (as it is the case with *SARS-CoV-1* and *SARS-CoV-2*) and was used as a model virus (non-infectious to humans) for evaluation of a virucidal activity against *SARS-CoV-1* and *SARS-CoV-2*.

To test the antiviral activity, test squares (carrier) were prepared using the original product the **LUCITE[®] MultiResist Pro**. Using these test specimen the test virus material, containing the *Bovine Coronavirus (S379 Riems)* were evenly distributed on the surface of the test carriers and incubated at 25 °C in a climate chamber. After 24 h of incubation the virus material was then recovered from the test carriers and the remaining amount of virus was quantified.

The underlying test was carried out according to ISO 21702:2019.

Test results

The testing of the product **LUCITE[®] MultiResist Pro** according to ISO 21702 and under the described test conditions using the *Bovine Coronavirus* as the test virus has shown that:

1. the methodological framework of the testing can be considered as valid.
2. due to technical reasons the test samples U_0 (control samples at $t = 0$) were used as the reference point for estimation of the virus reduction.
3. the tested product **LUCITE[®] MultiResist Pro** was highly virucidal active. After a contact time of $t = 24$ hours no residual test virus was detectable. Using the *Large Volume Plating (LVP)* methodology the virus reduction amounted to $RF \geq 5,82 \pm 0,22$ Log, corresponding to a virus inactivation of more than 99,99%.

Judgement

On the basis of the data obtained it can be concluded that the described antiviral effect on the *Bovine Coronavirus* can clearly be attributed to the effect of the antiviral equipped product **LUCITE[®] MultiResist Pro** and the contact time of 24 hours.

Luckenwalde, 9th of December 2020



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