

Testing of the virucidal properties of  
**AS-100 ANTI MICROB TAPE**  
against the *Bovine Coronavirus (BCoV)*

Test of a light-inducible photobiocide using a praxis-near carrier test system following the RKI guideline (1995) against the *Bovine Coronavirus (BCoV; strain: S379 Riems)*

- Excerpt from the test report: test run S1 dated 19.02.2021 -

by  
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### **Aim of the testing and performing the test**

The product **AS-100 ANTI MICROB TAPE** should be tested for its ability to inactivate the **Bovine Coronavirus** (*a Betacoronavirus*) under the influence of light.

To test this feature, stainless steel test squares were coated with adhesive tape **AS-100 ANTI MICROB TAPE**. Afterwards the test virus material, containing the *Bovine Coronavirus* (strain: *379 Riems*) were evenly distributed on the surface of the coated test specimen and exposed to the irradiation with visible light. After irradiation the virus material was then recovered from the test carriers and the remaining amount of virus was quantified.

The underlying test was carried out in the dry state based on the guideline of the Robert Koch-Institute (1995) [modified] at room temperature and under the influence of visible light.

### **Test results**

The testing of the product **AS-100 ANTI MICROB TAPE** under the described test conditions and with the *Bovine Coronavirus* (*379 Riems*) as the test virus has shown that:

1. with the product **AS-100 ANTI MICROB TAPE** and after irradiation with visible light a significant reduction of the test virus was recorded. The virus reduction on the test surface amounted to more than 4,95 Log, corresponding to a virus inactivation of more than 99,99%.
2. without light irradiation, the test samples with the product have also shown a virus-inactivating activity.

### **Judgement**

On the basis of the data obtained, it can therefore be concluded that the described significant antiviral effect on the *Bovine Coronavirus* can be attributed to the photocatalytic and non-photocatalytic properties of the tested product.

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