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UVC-Box A/S
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Summary statement

Inactivation properties of the tested device **UVC BOX** against adeno virus type 5 in tests based on EN 16777:2018

The device **UVC BOX** manufactured by UVC-Box A/S was tested against the test virus adeno virus type 5 (AdV) in a test setup that was based on the test methodology "Chemical disinfectants and antiseptics - Quantitative non-porous surface test without mechanical action for the evaluation of virucidal activity of chemical disinfectants used in the medical area - Test method and requirements (phase 2, step 2); German version EN 16777:2018". In modification to the test method, the text viruses were not exposed to a liquid disinfectant but test carriers were placed into a UV chamber and exposed to respective radiation. Details concerning the test methodology are outlined in the referenced test report.

According to EN 16777:2018, a disinfectant solution at a particular concentration is considered as having virus-inactivating properties if within the recommended exposure period the virus titre is reduced by ≥ 4 $\log_{10}$-steps (inactivation ≥ 99.99 %). This efficacy criterion was applied in the present study as well.

According to test report L20/2025A.1 of Dr. Brill & Partner GmbH, dated 11/03/2021, the tested device **UVC BOX** reduced the virus titer of the target virus in stated test conditions by the following reduction factors:

Test virus	Organic soiling	UVC	Contact time	Achieved reduction [logR]	Achieved reduction [%]
AdV	**clean conditions (0.3 g/L BSA)**	**300 mj/cm²**	**3 mins**	**3.27**	**99.95**

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