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- KLINIK- UND PRAXISHYGIENE ✓
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Presentation of results

Testing of possible chronic toxic effects (mutagenicity) of the disinfectant-active plasma reaction products of the devices "Air Sanitizer Blue Taction" and "Air Sanitizer Blue Taction Pro" of WK Med Tec GmbH, Bückeburg according to EN ISO 10993-3

Test start: 19.01.2022 – Examiner: 29.03.2022 – Date report:30.03.2022

The devices "Air Sanitizer Blue Taction" and "Air Sanitizer Blue Taction Pro" produce reaction products of atmospheric oxygen with water vapor in the air in the form of hydroxyl radicals by means of an atmospheric low-temperature plasma. In indoor air, these hydroxyl radicals lead to a reduction in the infectiological risk of aerogenically transmitted pathogens.

The device was tested for chronic toxic effects (mutagenicity) according to EN ISO 10993-3 as part of an Ames test.

For this purpose, emission products of the device were enriched in a buffer solution in a washing cloth, then the buffer solution was examined by means of the Ames test for possible mutagenic effects.

Test kit used:

Moltox Trinova Biochem according to PECD Guideline 471
Ames Salmonella Mutagenicity Test S.typhimurium TA 98, TA 100, TA 1535, TA 1537

Result:

No chronic toxic effects were observed compared to an accumulation sample of air without plasma reaction products.

After interpretation of the test result, there is no evidence of a chronic toxic effect of plasma reaction products of the devices "Air Sanitizer Blue Taction" and "Blue Taction Pro".



gez. PD Dr.med. Ulrich F. Schmelz