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- KLINIK- UND PRAXISHYGIENE ✓
  - AUFBEREITUNG VON DENTALEINHEITEN
  - GEFÄHRDUNGSBEURTEILUNGEN
  - HYGIENEKONZEPTE
- RAUMLUFTANLAGEN ✓
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### Presentation of results

**Testing of possible acute toxic effects 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, Bückeberg according to EN ISO 10993-5**

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 acute toxic effects according to EN ISO 10993-5 as part of a cytotoxicity test.**

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

Test kit used:  
Invitrogen CyQuant LDH Cell  
Culture A 549

#### Result:

**No cytotoxic effects were found in comparison with an enrichment sample of air without plasma reaction products.**

After interpretation of the test result, there are no indications of an acute toxic effect of plasma reaction products of the devices "Air Sanitizer Blue Taction" and "Blue Taction Pro".



gez. PD Dr.med. Ulrich F. Schmelz