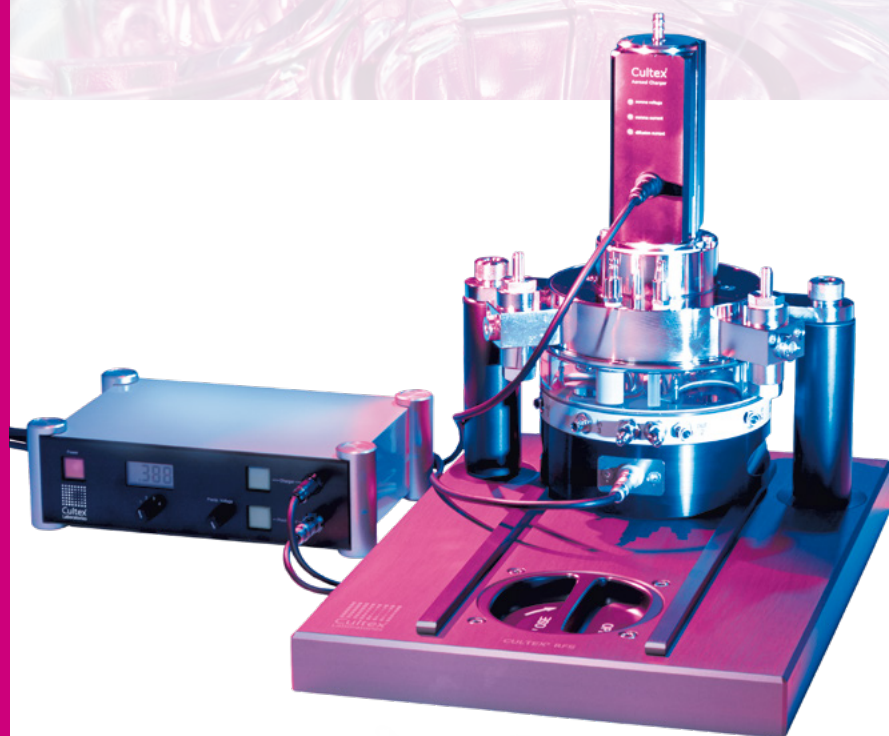


Technical Data Sheet: CULTEX® EDD Electrostatic Deposition Device



The Airborne Exposure Experts



The innovative CULTEX® EDD is a modular designed electrical deposition device to increase the deposition efficiency for micro- and nano-sized particles. In combination with the CULTEX® RFS or the CULTEX® RFS Compact, the CULTEX® EDD is applicable for a variety of cell culture inserts or even Petri dishes. The special design allows easy handling and cleaning and ensures reproducible results even with different aerosols and test substances.

The control unit guarantees a smooth operation of the device, avoiding damage to the cells during exposure. The strength of the electric field can be accurately controlled and adjusted.



General features

- Enhancement for CULTEX® RFS and CULTEX® RFS Compact
- Higher particle deposition rate
- Less atmosphere required
- Applicable for 6.5, 12 and 24 mm cell culture inserts as well as for 35 mm Petri dishes
- Easy handling and cleaning
- No negative influence on cell viability
- CE safety conformity (EN 61010-1:2001)
- CE EMC conformity (EN 61000-6-2, EN 61000-6-3)

Application areas

- Nano-sized powders
- Workplace atmospheres
- Tobacco smoke
- Pharmaceuticals

Clients

- Universities
- Public health institutions
- Military
- Pharmaceutical, chemical and tobacco industry
- Contract research laboratories

System information

Modular design

- Flow-through corona charger (on top of the aerosol guiding module of the CULTEX® RFS or CULTEX® RFS Compact)
- Precipitator unit (integrated in socket module of the CULTEX® RFS or CULTEX® RFS Compact)
- Control unit (separate)

Basic requirements

- Power supply (100–240V)

Deposition efficiency of 0.1 µm particles

- By sedimentation 0.1%
- By diffusion 1.8%
- With CULTEX® EDD (charged particles) 100%



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