APPLICATION NOTE

By AROUND LAB NEWS

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N.135 CLEANING AND DISINFECTION OF THE TRIO.BAS AIR SAMPLER

CLEANING AND DISINFECTION

To ensure correct operation and hygiene, the external surfaces of the air sampler should be cleaned regularly using a suitable disinfectant, such as a 70% isopropyl alcohol (IPA) or quaternary ammonium–based solution.

ATTENTION: Do not use aggressive or corrosive disinfectants, as they may damage the instrument.

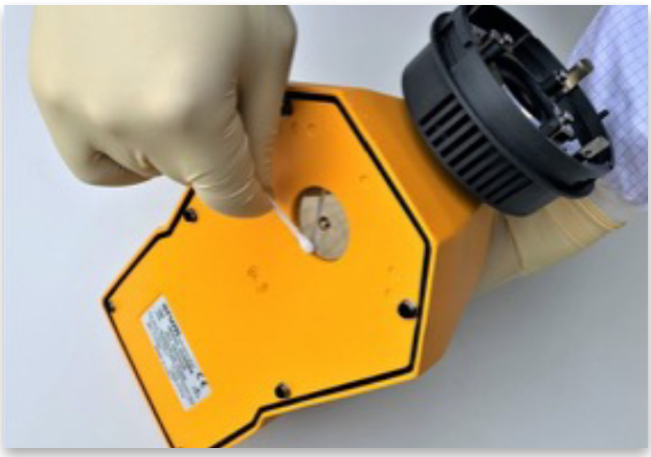
It should be noted that the techno polymer instrument body contains an antibacterial component that prevents the growth of microorganisms.

The disinfectant can be sprayed directly onto the instrument from no less than 20 cm. and then wiped with clean, sterile cloth. Alternatively, apply the solution to the cloth and then clean the surfaces.



IMPORTANT: Before using the air sampler, make sure that all cleaning residues have been completely removed. The instrument can be left in the cleanroom during VHP decontamination.





The motor area of aspirating chamber can also be disinfected. With the motor running, lightly spray IPA from no less than 20 cm. onto the top of the sampling head for 2/3 seconds. Allow the instrument to continue operating for approximately 3 minutes.



Repeat this procedure at least one more time.

SAMPLING HEAD CLEANING AND STERILIZATION



Sampling heads made of stainless steel AISI 316 can be sterilized in an autoclave at 121 °C for 20 minutes. For sterilization, the sampling heads must be inserted into the appropriate bags (code 409, self-sealing sterilization bags for head) or wrapped in aluminum foil.



If any of the holes in the sampling head become clogged due to dried culture medium residues, they can be cleared using compressed air. Then clean the head in an ultrasonic bath and afterwards wipe it with a cloth moistened with IPA.



When the air sampler is not in use, it is recommended to cover the sampling head with the protective Stanley steel cover provided.