

Is a HEPA filter-equipped viable air sampler necessary for monitoring cleanrooms?



Active microbial air samplers for viable contamination monitoring in cleanroom isolators and RABS (Restricted Access Barrier Systems) should be designed to avoid contamination risk from the instrument.

The electrical motor of TRIO.BAS™ instruments does not produce particles if the manufacturer recommended cleaning procedures are followed during sampling preparation. Furthermore, expelled air flows out from the aspirating chamber without any contact with the internal parts of the instrument.

When permanently located in cleanroom isolators and RABS, TRIO.BAS™ instruments without HEPA filters are used without concern of contamination from particles.

If the viable air monitoring plan involves transferring the air sampling instrument from different ISO classification environments with varied levels of microbial contamination (ISO Class 7 to ISO Class 5), a risk of cross-contamination is possible. Under such conditions, a HEPA filter equipped TRIO.BAS™ instrument, or a HEPA filter satellite option for use with RABS/ISOLATOR instrument formats, is suggested to avoid the transfer of particles from the inside of the aspirating chamber.

TRIO.BAS™ HEPA filter formats include a replaceable HEPA filter fixed to the air outlet of the instrument or satellite to stop the potential transfer of particles.



A smoke/exhaust study confirms the expelled air is not re-aspirated by the same air sampler.



TRIO.BAS MONO Filter Kit, 100 liters/min., contact plate
Each.....BAS171K

TRIO.BAS MONO Filter Kit, 100 liters/min., petri plate
Each.....BAS170K



AIRBIO ONE Filter Kit, 100 liters/min., contact plate
Each.....BAS450K

AIRBIO ONE Filter Kit, 100 liters/min., petri plate
Each.....BAS449K



Satellite for use with BAS268K, BAS269K, BAS270K, BAS271K

Stainless steel satellite with HEPA FILTER, contact plate
Each.....BAS262

Stainless steel satellite with HEPA FILTER, petri plate
Each.....BAS263K

Replacement HEPA filters, 10pk.....BAS531

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