

AIR SAMPLER (In Liquid)

BRAND: BIOGENIX®

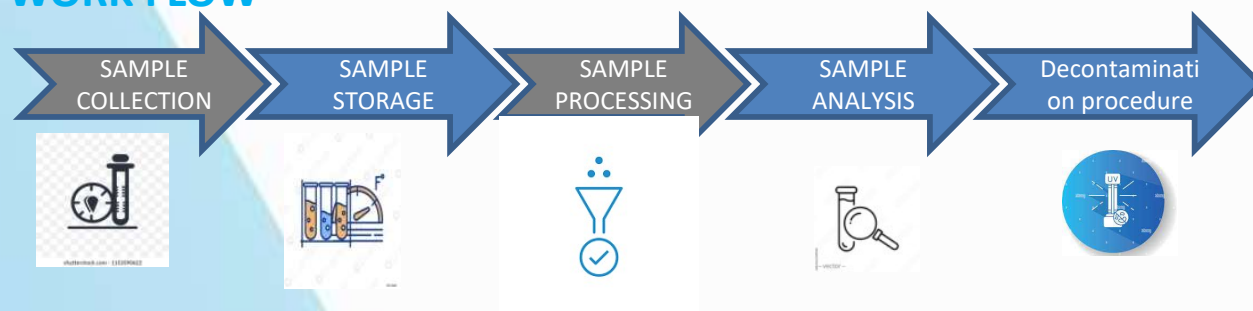
Efficient monitoring of Microbiological contamination in the air

Product Detail

- The range of biological air samplers has been developed to be more efficient than traditional indoor or outdoor air quality monitoring systems.
- The cyclonic technology efficiently collects the biological particles of the air whatever their nature: Bacteria, viruses, pollen, etc.
- The sample taken is therefore compatible with all microbiological or molecular biology analyses, which allows the results of the biological contamination of the indoor and outdoor air to be obtained more quickly



WORK FLOW



Compact biological air sampler: The principle

Using dry cyclone technology, the Coriolis Compact biological air sampler quickly concentrates samples of viruses and other particles (bacteria, mold, spores, pollen, etc.) in a large enough quantity to analyze micro-organisms.

Once the collection cone is attached to the biological air sampler, the suction generated by Coriolis Compact creates a high flow air suction vortex (50L/h). Airborne particles measuring 500 nm to 10 µm are centrifuged dry and collected on the inner walls of the collection cone.

A suitable buffer is then used to resuspend the particles. To preserve the integrity of the nucleic acids in the sample, a solution such as Trizol™ can be added directly to the collection cone immediately after the sample collection. The reconstituted fluid sample is compatible with the most commonly used and the most rapid micro-organism analysis methods such as PCR, immune analysis (ELISA, etc.), or even flow cytometry

TECHNICAL SPECIFICATION

Particle size > 0.5 µm
Air flow rate: 100-300 l/min
Sampling time: 1-10 min & up to 6 hours*
Requires "Long time monitoring option"
Liquid sample: 10-15 ml
Size: 22x33x36 cm
Weight: 3 kg
Power supply: 100/240 V
Waterproof: No
Autonomy on battery: aprox. 2 hours
Operation Temperature: +5 °C a + 45 °C
Screen: LCD 4 lines

APPLICATION

•The Microbiological air sampler is designed for quality control of bio-contaminations in environmental research, fundamental research on particles, pharmaceutical, veterinary or agri-food industries, medical and sanitary environments, etc. Its main purpose is to analyze airborne transmission of viruses and Covid-19 sampling tests with a great operation speed, but also the most efficient concentration for bacteria, mold, spores, pollen, or toxins in a record time.

The Compact biological air sampler is compatible with standard analytical methods. Its long battery life, light weight and compact size make it the perfect biological air sampler for outdoor air quality monitoring, biohazard control, virological sampling, or the control of bio contamination in medical and sanitary environments The Cleapart-100 particle deposition monitor is a valuable tool for manufacturing products that are sensitive to airborne and sedimented particles. It works autonomously and detects, counts and sorts particles of >5µm, >15µm, >25 µm and 100 µm in real time.

A complete range of consumables is specifically adapted for Coriolis biological air samplers. The Coriolis Compact portable biological air sampler monitors indoor or outdoor air quality. Light, compact and ergonomic, it is the ultimate all-terrain microbiological air sampler. Its cyclonic technology collects biological particles. It is compatible with the most common micro-organism analysis methods, and measures indoor and outdoor air quality quickly and efficiently

BIOGENIX SYSTEMS PRIVATE LIMITED

S-10, Pankaj Central Plaza, Pocket-5, Plot no-5,
Sector-12, Dwarka, New Delhi-110075, INDIA

Email: sales@biogenixsystems.com |

Phone: +91-11-43738899 | 9990251155-99 | 9911717057

Website: www.biogenixsystems.com