

Portable Bioaerosol Sampler

Model: WA-15

The sampler WA-15 adopts impact sampling technology. The air flow enters the collection tube through the sampler head and forms a cyclone, the particle in the cyclone will collide tangentially towards the collection fluid in the rotation process, then the particles will be captured by the collection fluid.

WA-15 can collect particles directly from air and get into the liquid, then processing with the detection methods of bacterial culture, PCR and LAMP, finally detect the bacteria, fungi, and viruses quickly from the collection sample.

WA-15 can be applied the on-site emergency sampling, battlefield biotoxin sampling. And also be widely used in disease prevention & control, environmental protection, pharmaceutical, fermentation industry, food industry, biological cleaning and public places and other air microorganism sampling. For teaching, scientific research and other institutions, WA-15 also has a good application in air microorganism sampling.

Feature

- ❑ Sampling method: impact bioaerosol sampling technology.
- ❑ Consumables sampling parts, avoid cross contamination
- ❑ Less collection fluid and lower loss
- ❑ Low cutting point and high sampling efficiency
- ❑ Sampling medium: liquid
- ❑ Light and portable
- ❑ Touch screen operation, simple and fast
- ❑ Sampling time can be set freely
- ❑ Wide range of temperature application
- ❑ Strong environmental applicability



Specification

Flow Rate	14L/min
Cutting Point	0.5μm
Sampling Tube	φ19.5*40mm
Sampling Liquid	3ml
Sampling Time	User setting
Power	Battery, 5hour
Temperature Range	0~45°C
Dimension	300*120*140mm
Weight	1.8kg



Collecting Efficiency Comparison with Model: Biosample (SKC, USA)

Table 1 The concentration in each group after 5min sampling time (CFU/ ML)

	Round 1	Round 2	Round 3
Action Liquid	5×10^9	3×10^9	5×10^9
Biosample Collection Liquid	958	833	500
W-15 Collection Liquid	5800	6596	6378

Table 2 The concentration in each group after 30min sampling time (CFU/ ML)

	Round 1	Round 2	Round 3
Action Liquid	5×10^9	3×10^9	5×10^9
Biosample Collection Liquid	7722	3928	4677
W-15 Collection Liquid	69691	58686	86718

Cape-Golden WA-15



USA SKC Biosample

