



# XTIE BIOPARTICLES

Portable Biological Particle Collection Device



XTIE BIOPARTICLES is an airborne microorganism collection device that utilizes corona discharge to effectively collect and concentrate bacteria and viruses in the air. Using electrostatic attraction, the device has a high collection efficiency of 95% for the 0.1  $\mu\text{m}$  particles.

Among different microorganisms, viruses range in size from 0.02 to 0.3  $\mu\text{m}$ . With the electrostatic particles concentration method, XTIE BIOPARTICLES can collect and concentrate not only bacteria but also viruses in the air. Furthermore, the device collects virus particles with minimum damage, allowing users to collect a greater number of active viruses. This can increase the reliability of the analysis of the collected samples.

## XTIE BIOPARTICLES SPECIFICATION SHEET

ITEM	DESCRIPTION	
Sampling Flow Rate	2.0 Liters Per Min, Adjustable	
Particle Size Collection	0.05-10 Micron	
Liquid Sample Volume	0.2~0.5 mL	
Sampling Times	10, 30, 60, 120 and 300 Min	
Dimensions	Overall	W 280mm x L 300mm x H 400mm
	Weight	9.5 Kg (Including Battery :15kg)
Battery	24VDC, 13Ah, Lithium-Ion Phosphate Battery, 5kg	
Electrical	220VAC, 60 Hz, Single Phase, 30W	

