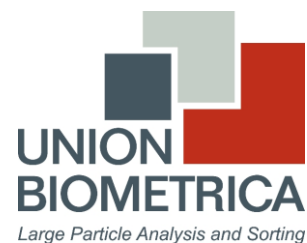


Large Particle Sampler



Gentle Sampling for Large Particles



The Large Particle Sampler, **LP Sampler™**, module is the only automated sample introduction system designed specifically for gentle handling of large, fragile objects such as

- delicate cells/clusters (stem cell clusters, neurospheres, tumor spheroids)
- viable small multicellular model organisms (nematodes, Drosophila, zebrafish larvae)
- beads used as micro-carriers for clonal libraries
- seeds and fragile plant tissue

This large particle autosampler is ideal for objects ranging from 10 to 1500 microns in diameter. It is capable of gently aspirating those samples from multiwell plates or a petri dish and delivering them intact to Union Biometrica's COPAS™, BioSorter® or VAST™ systems. It has the flexibility to handle

a variety of standard or deep well plates including 24, 96 and 384. (Note: the expanded "**LP Sampler with Dispenser**" version is specifically designed for VAST and adds the ability to dispense zebrafish larvae into the corresponding well of a daughter plate after imaging.)

LP Sampler is a high-throughput device. For faster handling, it is capable of delivering one sample while simultaneously aspirating the next for continuous, rapid sample introduction to the COPAS, BioSorter or VAST systems for "walk away" operation.

This autosampler module works with FlowPilot™, FlowPilot-Pro™ and VAST software. Customizable scripts allow the operator to accommodate whatever type of organism or particle is being sampled. Scripts can be edited to change the time devoted to flushing, analyzing or other steps based upon need.

The LP Sampler includes an on-board wash and waste station to reduce carryover between samples. The unit has four reservoirs, two of which are used for waste and the wash water. The other two can be utilized for dispensing additional liquids for flushing wells or for addition of reagents in kinetic studies.

The LP Sampler can be used with COPAS™ and BioSorter™ Large Particle Flow Cytometers

