

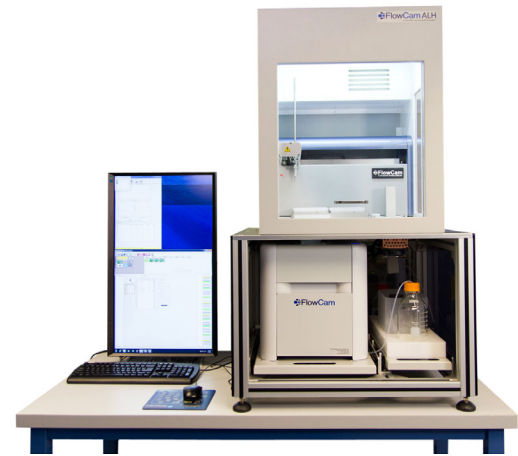
High-Throughput Processing, Unattended Operation

OVERVIEW

The FlowCam® ALH automated liquid handling system from Fluid Imaging Technologies integrates with the FlowCam 8100 for uninterrupted processing of samples.

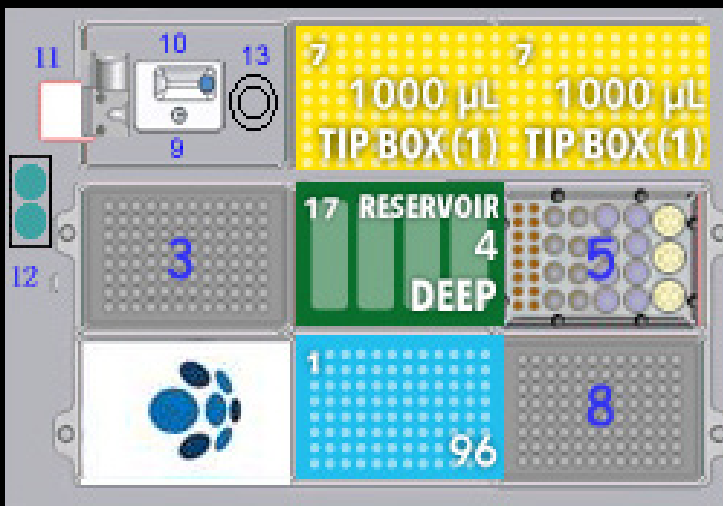
The FlowCam ALH allows up to 96 samples to be queued for unattended operation, improving repeatability and increasing productivity. The FlowCam ALH features:

- programmable pre-analysis sample preparation
- heating and cooling features
- self-contained system
- vertical set-up, saving bench space
- standard SBS format labware
- disposable pipette tips
- high accuracy fluid dispensing
- complete control of workflows
- particle identification via Microsoft Excel®



BENEFITS

Unattended operation and processing of up to 96 samples
+
Increased productivity
+
Improved repeatability



GRAPHICAL INTERFACE FOR LABWARE ALLOWS RAPID REPOSITIONING OF SAMPLES, REAGENTS, AND DILUENTS

FLOWCAM® ALH

HIGH-THROUGHPUT & UNATTENDED OPERATION

FlowCam ALH	
Operating principle	Single robotic XYZ arm, hydraulic fill on all fluidics
Labware format	SBS
Number of positions for labware	7
Maximum number of wells per deck position	96
Maximum volume dispensed per operation	1000 µL
Minimum volume dispensed during dilution or reagent operations	5 µL
Minimum volume dispensed into FlowCam for analysis	200 µL
CV of aspiration/dispensing accuracy	± 0.5%
Pipette format	Disposable, Tecan® style tips
Environmental (particulate) control	Positive pressure HEPA filtration
Sterilization	UV, programmable exposure time
Mechanical orbital method	100 -2000 RPM clockwise
Sample conditioning	Heating/cooling 2-90°C
Mixing	Aspiration/dispensing method
Multiple assays/workflows supported	Yes
Operation pause and resume	Yes
CFR 21 Compliant	Yes
Workspace illumination	User controlled white LED
Size	Height: 49 in. (124.5 cm), Width: 30 in. (76.2 cm), Depth: 25 in. (63.5 cm)
Minimum bench space required	Height: 55 in. (140 cm), Width: 60 in. (153 cm), Depth: 30 in (77 cm)
Weight	190 lb (86.7 kg)
Voltage	110-220
Power	700 watts, including FlowCam
Operating temperature	Operating: 5-40° C, Humidity 20-80% RH
Storage temperature	Storage: -20-60° C, Humidity 20-95% RH