



Curiox C-FREE Pluto MT System

SPECIFICATION SHEET



The Curiox C-FREE™ Pluto MT System is an affordable, configurable automation system for cell sample preparation workflows. This automated liquid handling platform enables cell washing and staining processes using standard format 96-well microplates, deep-well plates, tubes and pipette tips. Minimal optimization is needed to port your assay onto the system. The Pluto MT system is a mid-throughput instrument that offers ease of use with Curiox assay protocol scripting services and supports personalized automation, enhancing efficiency, consistency, and reliability.

Performance Specifications

Pipette Precision	5 μ L CV<4%; 200 μ L CV<1%
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Maximum Pipetting Volume	1 - 1000 μ L
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Sample Throughput	24 - 72 wells per run
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Sample Types	Whole blood, bone marrow, mammalian cells, yeast cells
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Key Applications	Flow cytometry immunophenotyping assays; cell sorting, multi-omics sample preparation
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System Specifications

Dimensions (D x W x H) - System 805 mm* x 790 mm x 895 mm
32 in.* x 31 in. x 35 in.

Dimensions (D x W x H) - Door 690 mm x 470 mm
27.16 in. x 18.5 in.

Weight 140 kg / 309 lbs

Power Supply 100 – 240 VAC, 10A, 50/ 60 Hz

Arm Configurations 1-channel pipetting module
24-channel fixed pipetting module
Gripper module (optional)

Deck Capacity 15 stations and solid waste chute

Pipetting Principle Air displacement; simultaneous pipetting of 24 channels

Liquid Level Detection Pressure liquid level detection

Calibration Engineer calibrated during installation and annual preventive maintenance**

Touchscreen 10 in.

Communication Interface USB, ethernet

System Configuration Stand-alone

* Dimensions exclude waste chute

** Annual Preventive Maintenance is highly recommended to ensure that the system is functioning at peak performance.

Description

Part No.

24 C-FREE, Pluto MT System, 24-channel Liquid Handling Head

CF-PLU-LH08MT-01

See the future of cell sample preparation automation at www.curiox.com/pluto



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