



Curiox C-FREE Pluto HT System

SPECIFICATION SHEET



The Curiox C-FREE™ Pluto HT 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 HT system provides ease-of-use with Curiox assay protocol scripting services, and supports personalized automation with enhanced efficiency, consistency, and reliability.

Performance Specifications

Pipette Precision	5 μ L CV<4%; 200 μ L CV<1%
-------------------	------------------------------------

Maximum Pipetting Volume	1 - 1000 μ L
--------------------------	------------------

Sample Throughput	96
-------------------	----

Sample Types	Whole blood, bone marrow, mammalian cells, yeast cells
--------------	--

Key Applications	Flow cytometry immunophenotyping assays; cell sorting, multi-omics sample preparation
------------------	--

System Specifications

Dimensions (L x W x H) - System	1090 mm x 740 mm x 1168 mm 42.9 in. x 29.1 in. x 46.0 in.
---------------------------------	--

Weight	215 kg / 474 lbs
--------	------------------

Deck	30 deck stations, including solid waste chute and liquid waste bin
Power Supply	100 – 240- VAC, 10A, 50/ 60 Hz, TBC A
Arm Configurations	4-channel pipetting module 96-channel fixed pipetting module Gripper module
Pipetting Principle	Air displacement
Liquid Level Detection	Pressure liquid level detection
Calibration	Engineer calibrated during installation and annual preventive maintenance*
Touchscreen	12 in.
Communication Interface	USB, ethernet
System Configuration	Stand-alone

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

Description	Part No.
C-FREE, Pluto HT System, 96-channel Liquid Handling Head	CF-PLU-LH08HT-01

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



For Research Use Only. Not for use in diagnostic procedures.

© 2025 Curiox Biosystems, Inc. All rights reserved. C-FREE Pluto is a trademark of Curiox Biosystems, Inc. 03/2025