Resource Summary Report

Generated by dkNET on Aug 8, 2026

Fluidigm: Helios Cell Mass Cytometer

RRID:SCR_019917
Type: Tool

Proper Citation

Fluidigm: Helios Cell Mass Cytometer (RRID:SCR_019917)

Resource Information

URL: https://www.fluidigm.com/binaries/content/documents/fluidigm/resources/helios-user-guide0400250/helios-user-guide0400250/fluidigm%3Afile

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Description: Helios, a CyTOF system, comprises the most recent advances in mass cytometry and is designed to provide a new and improved tool for bioanalytical single-cell detection and analysis. This high-performance mass cytometer, from the CyTOF family of instruments, enables the analysis of more than 40 markers and ly allows their quantitative determination with negligible spectral overlap, a result of exquisite resolution between mass detection channels. Helios provides users with 135 detection channels that can simultaneously resolve multiple elemental probes at high acquisition rates, thereby maximizing the per-cell information obtained from a single sample. The expanded mass range of 75 209 amu and superior mass resolution provide researchers with the ability to differentiate adjacent peaks. The Helios system provides fast instrument startup, an easyto-use pneumatic sample loading system, an improved cell detection rate, and enhanced data storage capabilities. These attributes provide researchers with an unparalleled ability to generate high-resolution phenotypic and functional profiles of cells from normal and diseased states

Resource Type: instrument resource

Keywords: Fluidigm, Cell Mass Cytometer, Instrument Equipment, USEDit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_019917.pdf

Resource Name: Fluidigm: Helios Cell Mass Cytometer

Resource ID: SCR_019917

Alternate IDs: Model_Number_Helios

Record Creation Time: 20220129T080347+0000

Record Last Update: 20260801T190639+0000

Ratings and Alerts

No rating or validation information has been found for Fluidigm: Helios Cell Mass Cytometer.

No alerts have been found for Fluidigm: Helios Cell Mass Cytometer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Yuan X, et al. (2022) Vitamin E Enhances Cancer Immunotherapy by Reinvigorating Dendritic Cells via Targeting Checkpoint SHP1. Cancer discovery, 12(7), 1742.

Wogsland CE, et al. (2021) High-dimensional immunotyping of tumors grown in obese and non-obese mice. Disease models & mechanisms, 14(4).