



Miltenyi Biotec

The MACSQuant™ Analyzer

A new milestone in cell analysis

- Compact benchtop design
- Multiparameter cell analysis
- Absolute cell counting (volumetric)
- Highly sensitive detection of rare cells
- Fully automated multisample labeling and analysis

Excite and inspire



www.macsquant.com

The MACSQuant™ Analyzer

Miltenyi Biotec is proud to introduce the MACSQuant™ Analyzer — a novel benchtop cell analyzer for highly sensitive multicolor flow analysis.

The MACSQuant Analyzer is equipped with three lasers providing multiparameter cell analysis using seven fluorescence and two scatter channels (FSC/SSC). The MACSQuant Column and the MACS® Cell Enrichment Unit are utilized for the analysis of rare cell populations. Additionally, integration of the MACS MiniSampler makes processing of multiple samples convenient and hands-free.

These features and the intuitive MACSQuantify™ Software make the analysis of cells effortless and efficient.

Visit www.macsquant.com to find out more.

Instrument specifications

Laser	Three air-cooled lasers (excitation wavelengths: 405 nm, 488 nm, and 635 nm)
Optical parameters	FSC, SSC, and seven fluorescence channels
Default detection dyes	Violet laser: VioBlue™, Hoechst dyes, Pacific Blue™ Blue laser: FITC, PE, PI/PE-Cy5.5, PE-Cy7 Red laser: APC, APC-Cy7
Compensation	7×7 matrix (during or post-acquisition)
Analysis rate	Up to 10,000 events/second
MACS® Cell Enrichment Unit	For pre-analysis enrichment of rare cell populations
Performance of absolute cell counting	Accuracy +/- 5%; reproducibility (CV) <5%
Minimal sampling volume	25 µL
System cleaning	Automated startup, cleaning cycles, and shutdown
Sample uptake	Uptake port (for y- and z-movements) with an automated washing station
Sheath fluid consumption	2–10 mL/minute
Operating system	Microsoft® Windows®
Ports	USB-2, Ethernet (100 Mbit/second)
Monitor	12" touchscreen (internal)
DVD writer	Internal
Power consumption	350 W
Weight	50 kg
Size (W×D×H)	600×350×400 mm



MACS MiniSampler for automated multisample processing (up to 96 samples). In addition to the reagent rack for autolabeling, special cool racks are available for sample tubes of various sizes.

MACSQuant Column for the pre-enrichment of rare cell populations using the renowned MACS Technology.



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