

# The most convenient way to analyze cells

Miltenyi Biotec is proud to present a new, compact bench-top flow cytometer for highly sensitive multicolor cell analysis – the **MACSQuant™ Analyzer**.

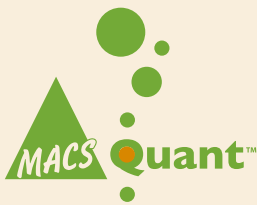
Three lasers, combined with powerful software, makes for a fast and simple analysis of cells. Also, being equipped with two scatter (FSC, SSC) and seven fluorescence channels, the MACSQuant™ Analyzer is the ideal instrument for MACS® Control applications (optimized evaluation of MACS® Separations), as well as other immunofluorescent analyses.

The system includes a MACS® Cell Enrichment Unit that is directly controlled by the MACSQuant™ Analysis Software to enable the fully automated processing of samples **and** cell analysis – crucial in the reliable detection of rare cells. Automation can further be extended to multi-sample processing when combined with the MACS® Sampler for convenient, hands-free operation.

## MACSQuant™ Analyzer

- **Easy to use**
- **Fully automated cell analysis**
- **Fully automated sample processing**
- **Absolute cell counting (volumetric)**
- **Multiparameter cell analysis (SSC, FSC, FL-1 to FL-7)**
- **Three-laser instrument**





## Instrument specifications

<b>Laser</b>	3 air-cooled lasers (excitation wavelengths: 405 nm, 488 nm and 635 nm)
<b>Optical parameters</b>	FSC, SSC, and seven fluorescence channels
<b>Default detection dyes</b>	<b>blue laser:</b> FITC, PE, PE-Cy5/PI, PE-Cy7 <b>red laser:</b> APC, APC-Cy7 <b>violet laser:</b> Hoechst dyes/Pacific Blue™
<b>Compensation</b>	7 × 7 matrix (during or post-acquisition)
<b>Analysis rate</b>	up to 10,000 events/second (up to 10 <sup>6</sup> events/second with the MACS® Enrichment Unit)
<b>MACS® Enrichment Unit</b>	for pre-analysis enrichment of rare cell subsets
<b>Sample flow rate</b>	50 to 250 µL/minute
<b>Minimal sample volume</b>	50 µL
<b>System cleaning</b>	automated startup, shutdown, and cleaning cycles
<b>Sample uptake</b>	uptake port (for y, z movements) with an immersion sensor and an automated washing station
<b>Sheath fluid consumption</b>	2–10 mL/minute
<b>Operating system</b>	Microsoft® Windows®
<b>Ports</b>	USB-2, Ethernet (100 Mbit/second)
<b>Monitor</b>	10.4" touch screen (internal)
<b>DVD writer</b>	internal
<b>Power consumption</b>	350 W
<b>Size (W×D×H)</b>	600 × 350 × 400 mm
<b>Weight</b>	50 kg

### Optional:

#### ID barcode reader

**MACS® Sampler** for automated multi-sample processing (up to 96 samples). In addition to the rack for labeling reagents, there are also special cool racks for different cell sample tubes available.

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## Miltenyi Biotec

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