Automated Cell Counter - High-Throughput Cell Viability Analyzer - 6 Samples per Run

Model **MSFACC-VenusSWISS** | Brand **Master Science**





The Master Science Automated Cell Counter measures cell concentration, viability and diameter in brightfield and trypan blue modes. A 6-chamber counting slide lets it count six samples in a single run that takes about one minute, replacing slow manual counting with a haemocytometer.

KEY HIGHLIGHTS

- Six samples in one step
- Consistent counts
- Handles difficult samples
- No cleaning between samples
- Easy data export

AT A GLANCE

1 × 10⁴ to 3 × 10⁷ cells/mL
CONCENTRATION RANGE

5 to 200 µm
CELL DIAMETER RANGE

0 to 100 %
VIABILITY RANGE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

It is a stand-alone unit with a 7-inch touch screen, autofocus and a 6.3-megapixel industrial CMOS camera, so no external computer is needed.

Key Benefits

Six samples in one step
the Master Science Automated Cell Counter counts a full slide in about a minute.

Consistent counts
CV below 5 % with multi-field counting.

Handles difficult samples
algorithm tuned for small cells, clusters and debris.

No cleaning between samples
disposable slides avoid cross-contamination.

Easy data export
JPG, PDF and CSV files.

Cells are usually grown in a Master Science CO2 incubator before counting.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSFACC-VenusSWISS
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SKU	MSFACC-VenusSWISS
Counting Modes	Brightfield and trypan blue
Concentration Range	**1×10^4 to 3×10^7 cells/mL**
Cell Diameter Range	**5 to 200 µm**
Viability Range	**0 to 100 %**
Sample Volume	10 µL (100 µm slide) or 20 µL (200 µm slide)
Analysis Time	< 1 s per sample (single view); < 51 s for 6 samples (5 views each)
Counting Slide	6-chamber, disposable; 100 µm or 200 µm depth
Camera	Industrial CMOS, 6.3 MP colour
Focus	Autofocus

DISPLAY & DATA	
Display	7-inch multi-touch colour screen
Storage	128 GB (other sizes optional)
Data Output	JPG, PDF, CSV; LIMS interface
Interfaces	2 × USB, 1 × HDMI, 1 × RJ45
Software Functions	Multi-field averaging, dilution calculator, organoid analysis

DIMENSIONS & WEIGHT	
Dimensions (W × D × H)	190 × 276 × 367 mm
Weight	4.2 kg (without power adapter)

HOW THE MASTER SCIENCE AUTOMATED CELL COUNTER IMPROVES CELL COUNTING	
Slow manual haemocytometer counts	results in seconds.
Operator-to-operator variation	automated image analysis.
Cleaning counting chambers	disposable slides.
Recording results by hand	export to CSV, PDF or LIMS.

Applications

The Master Science Automated Cell Counter is used for

Routine cell culture passaging Cell viability checks before experiments Counting cell lines such as HeLa, CHO, HEK293 and Jurkat PBMC and primary cell counting Organoid analysis

Imaging

- 6.3 MP industrial CMOS camera
- Autofocus
- Multiple fields averaged per sample

Analysis

- Concentration, viability and diameter
- Brightfield and trypan blue modes
- AI-based counting algorithm

Operation

- Stand-alone, 7-inch touch screen
- 128 GB storage
- USB, HDMI and network ports

Standard Accessories Included

- Cell counter unit
- Power adapter

Optional Accessories

- Disposable 6-chamber counting slides, 100 µm or 200 µm
- Larger storage capacity