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LUNA
Cell counter

logos

New partnership

LUNA II automatic cell counter



Solution for fast, efficient and reproducible cell counting. Cell counting by image analysis: the sample is stained with erythrosine B or trypan blue and then placed on a specific slide for visualisation and cell counting under white light.

- Ideal for cell lines
- Wet lens autofocus
- Counting cells between 3 and 60 µm in size (optimal between 8 and 30 µm)
- Determination of viability (% of living cells)
- Fine analysis of cell aggregates (% of single, double or triple cells)
- Histograms of size distributions
- Used with specific LUNA blades, either disposable or reusable, which need to be ordered (blades are specifically designed to fit the device's port)
- Reduced costs thanks to reusable blades
- Touchscreen for accessing various functions
- Insertion port for slide reading
- Optional integrated printer
- USB port for data recovery (PDF report)
- Supplied with a box of 50 slides (2 counts per slide)
- Trypan blue or Erythrosin B dye

Part no.	Designation	CHF
041-596500	LUNA II cell counter without printer	N/A -
041-596501	Cell counter LUNA II with printer	N/A -
041-596502	Counting slides for LUNA II, 50 slides (100 counts)	N/A -
041-596515	Counting slides for LUNA II, 500 slides (1000 counts)	N/A -
041-596507	Counting slides for LUNA II, 1000 slides (2000 counts)	N/A -
041-596523	Reusable slide 1 chamber LUNA	N/A -
041-596525	Pack of 10 reusable cover slips	N/A -
041-596514	Trypan blue, 0.4 %	N/A -
041-596504	Erythrosin B	N/A -
041-596512	Standard LUNA beads	N/A -
041-596503	Thermal paper for LUNA II printer	N/A -

Counting time	Less than 10 seconds
Concentration	5×10^4 - $10^4 \times 10^7$ cells/ml
Cell size	3 - 60 µm (optimal: 8 - 30 µm)
Image resolution	5 MP
Report format	PDF
Power supply	100 - 240 V 50/60 Hz



Reusable blade LUNA

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LUNA III automatic cell counter



Machine Learning = enhanced algorithms for improved live/dead cell detection performance.
Solution for fast, efficient and reproducible cell counting.
Cell counting by image analysis: the sample is stained with erythrosine B or trypan blue and then placed on a specific slide for visualisation and cell counting under white light.

- Ideal for cell lines
- Wet lens autofocus
- Counting cells between 3 and 60 µm in size (optimal between 8 and 30 µm)
- Determination of viability (% of living cells)
- Fine analysis of cell aggregates (% of single, double or triple cells)
- Histograms of size distributions
- Used with specific LUNA blades, either disposable or reusable, which need to be ordered (blades are specifically designed to fit the device's port)
- Reduced costs thanks to reusable blades
- Touchscreen for accessing various functions
- Insertion port for slide reading
- Optional integrated printer
- USB port for data recovery (PDF report)
- Supplied with a box of 50 slides (2 counts per slide)
- Trypan blue or Erythrosin B dye

Counting time	10 seconds
Cell size	-
Concentration	5 x 10^4 ~ 1 x 10^7 cells/ml
Light technique	white light
Focus	Autofocus or manual
Counting time	10 seconds
Power supply	100 - 240 V 50/60 Hz
Part no. LUNA III counter supplied with 50 counting slides, trypan blue, 16 GB USB drive, LAN cable and power cable	**041-596583**
CHF	**N/A -**
Part no. LUNA III Ecofriendly counter delivered with 50 counting slides, trypan blue or erythrosin B, 16 GB USB drive, LAN cable and power cable, reusable slide	**041-596584**
CHF	**N/A -**

Accessories

Part no.	Designation	CHF
041-596502	Counting slides for LUNA II, 50 slides (100 counts)	**N/A -**
041-596515	Counting slides for LUNA II, 500 slides (1000 counts)	**N/A -**
041-596507	Counting slides for LUNA II, 1000 slides (2000 counts)	**N/A -**
041-596523	Reusable slide 1 chamber LUNA	**N/A -**
041-596525	Pack of 10 reusable cover slips	**N/A -**
041-596514	Trypan blue, 0.4 %	**N/A -**
041-596578B	Erythrosine B dye for 5000 tests	**N/A -**
041-596512	Standard LUNA beads	**N/A -**
041-596503	Thermal paper for LUNA II printer	**N/A -**

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LUNA FL automatic cell counter

Solution for fast, efficient and reproducible cell counting.
Cell counting by image analysis: the sample can be stained with erythrosine B, trypan blue, or labelled with acridine orange and propidium iodide for fluorescence, then placed on a specific slide for visualisation and cell counting under white light or fluorescence.
2-in-1 device for counting applicable to numerous cell types.

- Ideal for small cells, blood cells, erythrocytes, splenocytes, monocytes
- Counting of cells ranging from 3 to 60 µm
- Determination of the % of live and dead cells
- Fine analysis of cell aggregates (% of single, double or triple cells)
- Histograms of size distributions
- Used with specific LUNA blades, either disposable or reusable, which need to be ordered (blades are specifically designed to fit the device's port)
- Reduced costs thanks to reusable blades
- Touchscreen for accessing various functions
- Insertion port for slide reading
- Optional integrated printer
- USB port for data retrieval
- Supplied with a box of 50 slides (2 counts per slide)
- Trypan blue dye or erythrosine B and acridine orange fluorescent marker, propidium iodide calibration beads





Counting slide for Luna II and Luna FL
(Part no. 596502, 596515, and 596507)

Counting time	Less than 10 seconds on a clear background and less than 30 seconds in fluorescence
Concentration	1 x 10^4 - 1 x 10^7 (optimal 5 x 10^4 - 1 x 10^7) cells/ml
Cell size	1 - 90 µm
Image resolution	5 MP
Report format	PDF
Power supply	100 - 240 V 50/60 Hz

Part no.	Designation	CHF
041-596506	Cell counter LUNA-FL	**N/A -**
041-596502	Counting slides for LUNA FL, 50 slides (100 counts)	**N/A -**
041-596515	Counting slides for LUNA FL, 500 slides (1000 counts)	**N/A -**
041-596507	Counting slides for LUNA FL, 1000 slides (2000 counts)	**N/A -**
041-596516	Printer for LUNA FL	**N/A -**
041-596508	Fluorescence counting slides for LUNA FL, 50 slides (100 counts) (applications with GFP and yeasts)	**N/A -**
041-596509	Fluorescence counting slides for LUNA FL, 500 slides (1000 counts) (applications with GFP and yeast)	**N/A -**
041-596510	Fluorescence counting slides for FL, 1000 slides (2000 counts) (applications with GFP and yeasts)	**N/A -**
041-596523	Reusable slide 1 chamber LUNA	**N/A -**
041-596525	Pack of 10 reusable cover slips	**N/A -**

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Automated Cell Counter LUNA-FX7

Novelties button
Page with novelties

For automatic cell counting and viability measurement.
It is used with blades of different formats ranging from 1 to 8 counting chambers for a rapid workflow.

- Counting of cells ranging from 1 to 90 µm, with optimal counting between 3 and 6 µm
- White light counting with or without dye: trypan blue or erythrosine B
- Fluorescence counting: use of propidium iodide or acridine orange
- Autofocus and manual focus
- Touchscreen control panel
- Used with specific counting slides: slides with 1 chamber, 3 chambers, or 8 counting chambers
- Internal storage capacity: 250GB
- Data retrieval format PDF, CSV, TIFF
- USB port, Wi-Fi and Ethernet
- Optional printer



Cell size	1 - 90 µm
Concentration	1 x 10^4 - 5 x 10^7 cells/ml (Optimal: 5 x 10^4 - 2 x 10^7 cells/ml)
Detection method	white light and fluorescence
"Green" fluorescence	Ex 470/40 nm, Em 530/50 nm
"Red" fluorescence	Ex 530/40 nm, Em 620/60 nm
Storage capacity	250GB
Weight (kg)	6.1

Part no.	Designation	CHF
041-596539	Automatic cell counter Luna-fx7 standard pack	N/A -
041-596540	Automatic cell counter Luna-fx7 bioprocess pack	N/A -

Accessories

Part no.	Designation	CHF
041-596551	Trypan blue 0.4% sterile filtered	N/A -
041-596552	Acridine orange / propidium iodide	N/A -
041-596553	Software and countwire basic server	N/A -
041-596554	Countwire additional licence for PC	N/A -
041-596555	Luna-fx7 protocol IQ/OQ	N/A -
041-596556	Luna-fx7 implementation of the IQ/OQ protocol on site	N/A -
041-596557	Thermal printer for Luna-fx7	N/A -
041-596558	Printer paper and ribbon for Luna-fx7	N/A -
041-596561	Calibration bead for Luna-fx7	N/A -

Counting and calibration blades

Part no.	Designation	CHF
041-596541	Counting slide 8 chambers for luna FX-7 luna X 50	N/A -
041-596542	Counting slide 8 chambers for luna FX-7 luna X 500	N/A -
041-596543	Counting slide 8 chambers gamma irradiated for luna fx-7 x 500	N/A -
041-596544	Counting slide 1 chamber for Luna FX-7 Luna X 50	N/A -
041-596545	Counting slide 1 chamber for Luna FX-7 Luna X 500	N/A -
041-596546	Counting slide 1 chamber gamma-irradiated with for Luna FX-7 x 500	N/A -
041-596547	Counting slide 3 chambers for Luna FX-7 x 50	N/A -
041-596548	Counting slide 3 chambers for Luna FX-7 x 500	N/A -
041-596549	Counting slide 3 chambers gamma irradiated for luna fx-7 x 500	N/A -

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