



OUR NEXT AND THE BEST

LUNA FX7™

Automated Cell Counter



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Automated Cell Counter

All new optics.

The largest counting volume for unmatched cell counting accuracy.

Multichannel pipette-compatible 8-channel slides. Fast and precise autofocus.

Dual fluorescence and brightfield illumination. Quality control and validation software.

Optimized for bioprocess production. 21 CFR Part 11 ready.

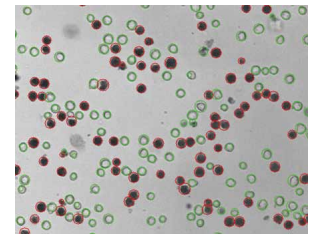
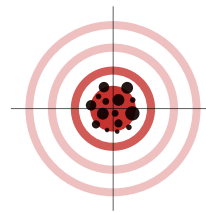


THE END TO THE ACCURACY DEBATE.

Sample size counts. The effect of cell counting volume on accuracy is easily overlooked. Most automated cell counters are designed to detect cells in 0.5 μ L, roughly the equivalent of five squares on a traditional hemocytometer.

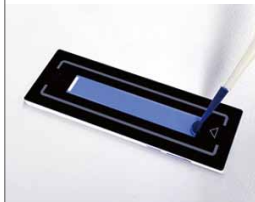



The LUNA-FX7™ has an unmatched maximum counting volume of 5.1 μ L, which means lower error and % CV for each count.

This also means the LUNA-FX7™ has a larger dynamic range and can accurately count cells in even dilute samples – without having to concentrate cell samples.



MULTIPLE SAMPLES IN ONE GO.

The LUNA-FX7™ gives you the flexibility to analyze more than one sample at a time. Use your multichannel pipette to load up our new 3- or 8-channel slides to process multiple samples simultaneously. The LUNA-FX7™ is also compatible with our standard 2-channel LUNA™ Cell Counting Slides and PhotonSlides™. Unlike our classic models, the LUNA-FX7™ can count both chambers without needing to remove and reinsert the slide.

	NEW! LUNA™ 1-Channel Slides	LUNA™ Cell Counting Slides / PhotonSlides™	NEW! LUNA™ 3-Channel Slides	NEW! LUNA™ 8-Channel Slides
Compatible slides				
Sample throughput	1 samples	Up to 2 samples	Up to 3 samples	Up to 8 samples
Sample loading volume	47 μ L	10 μ L / chamber	10 μ L / chamber	10 μ L / chamber
Maximum analysis volume	5.1 μ L	1.3 μ L / chamber	1.3 μ L / chamber	0.5 μ L / chamber



CONNECT YOUR LAB, YOUR WAY.

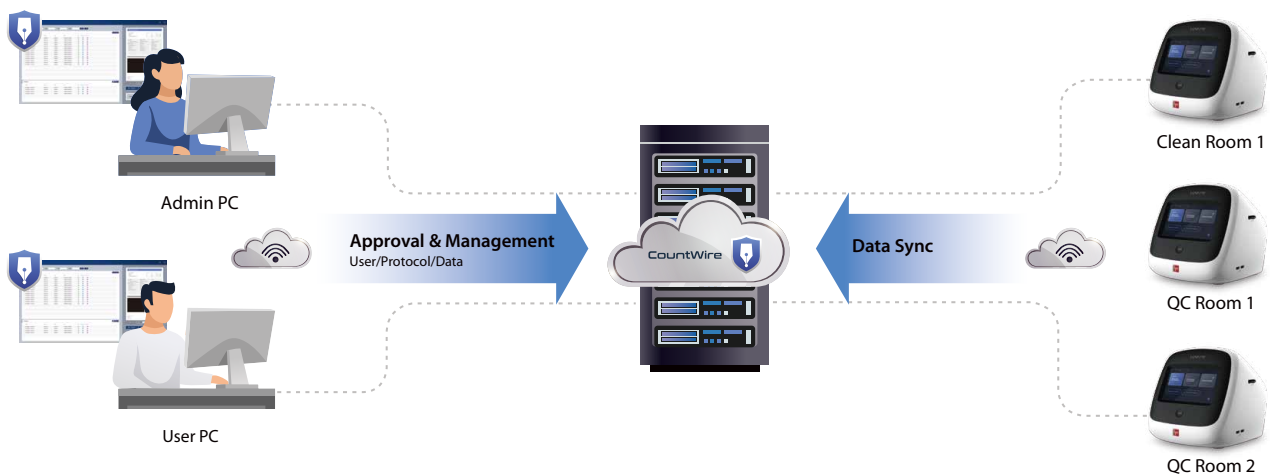
Not only does the LUNA-FX7™ store 250 GB of data onboard, it can be exported via USB, WiFi, and Ethernet. The LUNA-FX7™ can be connected to a data server for integrated data management. Synchronize data across multiple LUNA-FX7™ devices through a private network and access the critical information you need regardless of where you are in your lab. That's right – the latest technology for the newest and best cell counter.

OPTIMIZED FOR BIOPROCESS.

Using cell therapy products or cell lines for antibody manufacturing? Then a reliable automated cell counter is essential. Take control of your bioprocess and keep track of months of cell counting results. The LUNA-FX7™ saves days, weeks, months, and years of counting results and provides trend charts for easy monitoring. Check cell number, concentration, and viability with a single tap.

21 CFR PART 11-READY.

Operate the LUNA-FX7™ in 21 CFR part 11 mode with the complementary CountWire™ software. User rights and access can be managed, with all activity being logged and encrypted. Store data to a server with digital signatures added to ensure security. CountWire™ lets you access data from any connected device. With the right level of user access, you can retrieve data from the LUNA-FX7™ in the clean room next door without leaving your desk.



SPECIFICATIONS

	LUNA-FX7™ Automated Cell Counter, L70001	LUNA-FX7™ Automated Cell Counter, Bioprocess L70002
Onboard storage	250 GB	1 TB
Software	Standard software	Bioprocess software
Cell diameter range	Detectable: 1-90 µm, optimal: 3-60 µm	
Optics	Brightfield, dual fluorescence	
Green fluorescence	Ex 470/20 nm, Em 530/25 nm	
Red fluorescence	Ex 530/20 nm, Em 620/30 nm	
Focusing	Autofocus / manual focus	
Display	7" TFT LCD multi-touch screen	
Data format	PDF, CSV, TIFF	
Data export	USB, WiFi, Ethernet	
Printer	External printer (optional)	
21 CFR Part 11	CountWire™ software (optional)	
User management	CountWire™ software (optional)	
IQ/OQ	Yes (optional)	Yes
Dimensions	245 x 280 x 240 mm	
Weight	4.5 kg	



Everything you love about our LUNAs and more

Unmatched cell counting accuracy

- ✓ All-new optics
- ✓ Increased counting volume for the lowest CV per count
- ✓ Multichannel pipette-compatible 8-channel slides
- ✓ Fast and precise autofocus
- ✓ More robust and sophisticated counting algorithms
- ✓ Customizable cell-detection protocols

Optimized for bioprocess production applications

- ✓ Quality control and validation software
- ✓ Range of standard validation slides

21 CFR Part 11 ready

- ✓ User access and rights management
- ✓ Online data storage and control
- ✓ Encrypted electronic records

ORDERING INFORMATION

LUNA-FX7™	L70001	LUNA-FX7™ Automated Cell Counter	1 unit	
	L70002	LUNA-FX7™ Automated Cell Counter, Bioprocess Package	1 unit	
Counting Slides	1-channel slides 50 µL <i>FX7-only</i>	L72011	LUNA™ 1-Channel Slides, 50 Slides	1 box
		L72012	LUNA™ 1-Channel Slides, 500 Slides	10 boxes
		L72013	LUNA™ 1-Channel Slides, Sterile - gamma-irradiated, 500 Slides	10 boxes
	8-channel slides 10 µL <i>FX7-only</i>	L72001	LUNA™ 8-Channel Slides, 50 Slides	1 box
		L72002	LUNA™ 8-Channel Slides, 500 Slides	10 boxes
		L72003	LUNA™ 8-Channel Slides, Sterile - gamma-irradiated, 500 Slides	10 boxes
	3-channel slides 10 µL <i>FX7-only</i>	L72021	LUNA™ 3-Channel Slides, 50 Slides	1 box
		L72022	LUNA™ 3-Channel Slides, 500 Slides	10 boxes
		L72023	LUNA™ 3-Channel Slides, Sterile - gamma-irradiated, 500 Slides	10 boxes
	2-channel slides 10 µL <i>Brightfield</i>	L12001	LUNA™ Cell Counting Slides, 50 Slides	1 box
		L12002	LUNA™ Cell Counting Slides, 500 Slides	10 boxes
		L12003	LUNA™ Cell Counting Slides, 1000 Slides	20 boxes
L12005		PhotonSlide™, 50 Slides	1 box	
2-channel slides 10 µL <i>Fluorescence</i>	L12006	PhotonSlide™, 500 Slides	10 boxes	
	L12007	PhotonSlide™, 1000 Slides	20 boxes	
Validation Slides	L72030	Cell Counter Viability Slide (Fluorescence)	1 unit	
	L72040	Cell Counter Viability Slide (Brightfield)	1 unit	
Reagents	F73101	LUNA-FX7™ Calibration Beads Kit	1 kit	
	T13001	Trypan Blue Stain, 0.4%	2 x 1 mL	
	T13011	Trypan Blue Stain, 0.4%, Sterile-filtered	2 x 1 mL	
	L13002	Erythrosin B Stain	2 x 1 mL	
	F23001	Acridine Orange/Propidium Iodide Stain	2 x 0.5 mL	
	F23011	Acridine Orange/Propidium Iodide Stain, Sterile-filtered	2 x 0.5 mL	
Software	L71001	CountWire™ Basic	1 set	
	L71002	CountWire™, Additional PC License	1 unit	
IQ/OQ	L74003	LUNA-FX7™ IQ/OQ Protocol	1 copy	
Printer-related Items	P17001	Thermal Printer	1 unit	
	P17002	Thermal Printer Refills, Paper and Ribbon	2 x 5 rolls	

HEADQUARTERS

FL 2 & 3
28 Simindaero 327beon-gil, Dongan-gu
Anyang-si, Gyeonggi-do 14055
South Korea
Email: info@logosbio.com
Tel: +82 (31) 478-4185
Fax: +82 (31) 360-4277

USA

7700 Little River Turnpike STE 207
Annandale, VA 22003
USA
Email: info-usa@logosbio.com
Tel: +1 (703) 622-4660, +1 (703) 942-8867
Fax: +1 (571) 266-3925

EUROPE

11B avenue de l'Harmonie
59650 Villeneuve d'Ascq
France
Email: info-france@logosbio.com
Tel: +33 (0)3 74 09 44 35
Fax: +33 (0)3 59 35 01 98