

Everything you love about our LUNAs and more

Unmatched cell counting accuracy

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

Optimized for production facilities

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

21 CFR Part 11 ready

- ✓ User log-in and approval management
- ✓ Encrypted logs for audit trails
- ✓ Data security
- ✓ Data storage and control by network

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 concentration range	Detectable: 1×10^4 - 5×10^7 cells/mL, optimal: 5×10^4 - 1×10^7 cells/mL	
Cell diameter range	Detectable: 1-90 μ m, optimal: 3-60 μ m	
Optics	Brightfield, dual fluorescence	
Green fluorescence	Ex : 470 \pm 20 nm, Em : 530 \pm 25 nm	
Red fluorescence	Ex : 530 \pm 20 nm, Em : 620 \pm 30 nm	
Focusing	Auto focus / Manual focus	
Display	7" Capacitive touch screen LCD	
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	5.0 kg	

CELL LINES VALIDATED On The LUNA-FX7™ Automated Cell Counter

Cell Type	Vendor	Animal	Organ
3T3-L1	ATCC	Mouse	Embryo
A549	ATCC	Human	Lung
AsPC-1	ATCC	Human	Pancreas
BAEC	ATCC	Cow	Aorta
Colon26L5	ATCC	Mouse	Colon carcinoma
DLD-1	ATCC	Human	Colon
H1975	ATCC	Human	Lung
HCT116	ATCC	Human	Colon
Hek-293	ATCC	Human	Embryonic kidney
HL60	ATCC	Human	Peripheral blood
J774A.1	ATCC	Mouse	Ascites
RAW264.7	ATCC	Mouse	Abelson murine leukemia virus-induced tumor; ascites
YSY	ATCC	Human	Bone marrow
U2OS	ATCC	Human	Bone
U937	ATCC	Human	Pleura/pleural effusion, lymphocyte, Myeloid
K562	ATCC	Human	Bone marrow
PBMC	ATCC	Human	Blood
M1	ATCC	Mouse	Myeloblast

This is partial list of cell line tested on the LUNA-FX7™.