



High-Performance Cell Counting Made Affordable

LUNABX7TM

Automated Cell Counter



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biosystems

by ALIGNED GENETICS

LUNABX7™

Automated Cell Counter

Introducing the LUNA-BX7™:

High-performance, affordable cell counting focused on brightfield optics.

Retaining core features of the flagship LUNA-FX7™, it offers advanced performance tailored for trypan blue and other viable stains.

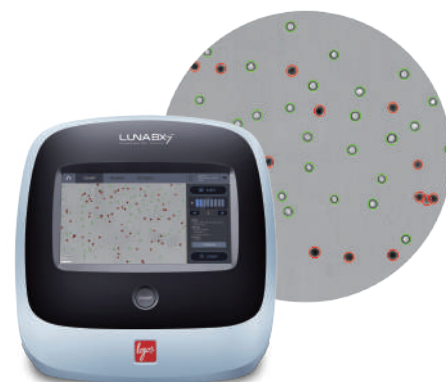
Designed based on customer feedback, the LUNA-BX7™ delivers flexibility, reliability, and unmatched value in automated cell counting.

High-Performance Cell Counting

Experience unparalleled precision and accuracy in cell counting with the LUNA-BX7™.

The LUNA-BX7™ combines advanced high-resolution imaging capabilities with an enhanced counting volume by analyzing multiple fields of view for every count.

Additionally, our state-of-the-art cell counting algorithm, powered by machine learning, further elevates the accuracy and reliability of your results, ensuring more accurate counts.








Higher Throughput and Versatile Slide Options

The LUNA BX7™ is designed to be compatible with several slide options, from single chamber to 8-chamber. Our 8-chamber slide allows you to quickly count a large number of samples and is perfectly compatible with a multi-channel pipette for increased ease of use. For applications involving limited, precious samples, the 1-channel slide maximizes the counting volume while ensuring accurate results. The 3-chamber slide provides the ability to combine and average replicate results. Whether your applications is single cell analysis, clinical, or production in a GMP environment, the LUNA-BX7™ is an ideal choice.

Eco-Friendly Reusable Slides

Incorporating our eco-friendly reusable slide will help minimize unnecessary waste in your lab.

A reusable slide not only reduces your environmental footprint; it helps contribute to a more sustainable approach to scientific research.

| | LUNA™ 1-Channel Slides | LUNA™ Cell Counting Slides | LUNA™ 3-Channel Slides | LUNA™ 8-Channel Slides | LUNA™ Reusableslide |
|-------------------------|---|---|--|---|---|
| Compatible slides |  |  |  |  |  |
| Sample throughput | 1 sample | Up to 2 samples | Up to 3 samples | Up to 8 samples | 1 sample |
| Sample loading volume | 50 µL | 10 µL / chamber | 10 µL / chamber | 10 µL / chamber | 10 µL |
| Maximum analysis volume | 5.1 µL | 1.3 µL / chamber | 1.3 µL / chamber | 0.5 µL / chamber | 1.3 µL |

All-in-One Performance and Integrated Connectivity

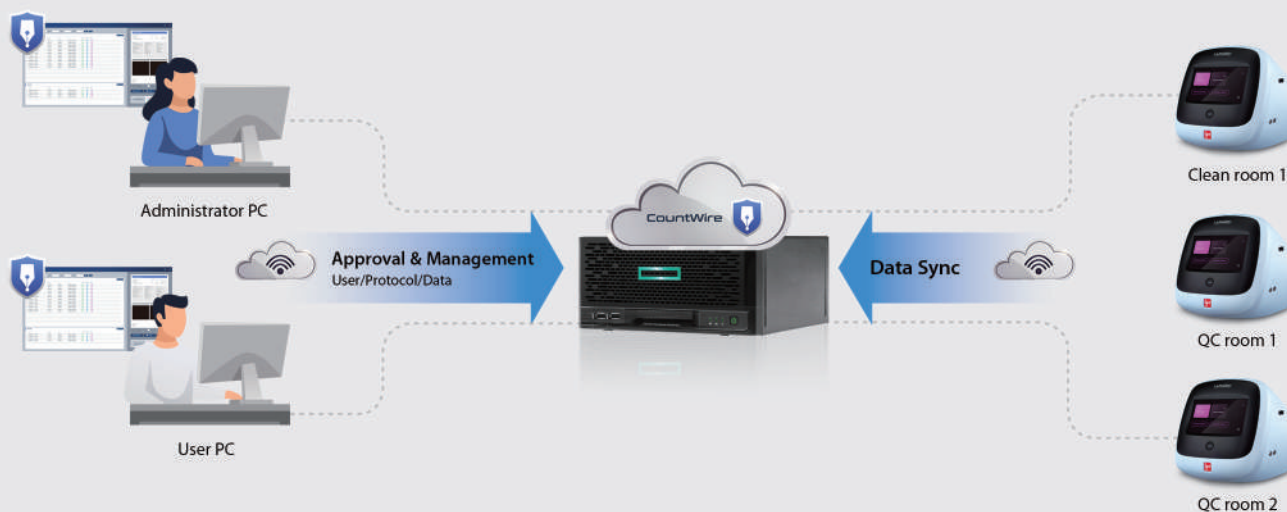
Experience seamless operation with the LUNA-BX7™'s integrated on-board analysis and intuitive, user-friendly interface. This powerful system is complemented by effortless data transfer capabilities, allowing you to easily transfer results through Ethernet and Wi-Fi connectivity.

The integrated connectivity of the LUNA-BX7™ enhances your workflow efficiency while protecting data security, making your cell counting processes smoother and more effective.



IQ/OQ and 21 CFR Part 11 Ready

Ensure full compliance and validation with the optional Qualification and Operational (IQ/OQ) protocol installation. In addition, CountWire™ software is an excellent add-on for labs operating under GMP regulations requiring 21 CFR Part 11 compliance, giving you the confidence you need to maintain regulatory standards. These features can be installed when the system is purchased or later as protocols change or your budget allows.





Quality Control

Our pre-printed validation slide and built-in QC software ensure reliability and accuracy of the LUNA-FX7™. The QC mode allows daily performance checks to verify and maintain the instrument's precision and accuracy.

Together, the validation slide and built-in QC mode provide the ultimate solution for maintaining the highest standards in your cell counting processes.



Specifications

| LUNA-BX7™ Automated Cell Counter, L90001 | | LUNA-BX7™ Automated Cell Counter, Bioprocess L90002 | |
|---|---------------------------------------|---|--|
|  | |  | |
| Onboard storage | 250 GB | 1 TB | |
| Software | Standard software | Bioprocess software | |
| Cell diameter range | Detectable: 1-90 µm, optimal: 3-60 µm | | |
| Optics | Brightfield | | |
| 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 | 4.5 kg | | |

Ordering Information

| | | | | |
|-----------------------|--------------------------------|---|--|-------------|
| LUNA-BX7™ | | L90001 | LUNA-BX7™ Automated Cell Counter | 1 unit |
| | | L90002 | LUNA-BX7™ Automated Cell Counter, Bioprocess Package | 1 unit |
| Counting Slides | 1-channel slides | 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 | 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 | 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 [Brightfield] | 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 |
| Validation Slides | | L72041 | Cell Counter Validation Slide-BF II | 1 unit |
| Reagents | 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 | |
| Software | L71001 | CountWire™ Basic | 1 set | |
| | L71002 | CountWire™, Additional PC License | 1 unit | |
| IQ/OQ | L94003 | LUNA-BX7™ IQ/OQ Protocol | 1 copy | |
| | L94005 | LUNA-BX7™ PQ Protocol | 1 copy | |
| Printer-related Items | | P17011 | LUNA™ Printer III | 1 unit |
| | | P17002 | Thermal Printer Refills, Paper and Ribbon | 2 x 5 rolls |

UPGRADE : LUNA-BX7™ to LUNA-FX7™ Ordering Information

| | | | |
|--|--------|---|----------------|
| LUNA-BX7™ upgrade to LUNA-FX7™ | L95001 | Upgrade Package from LUNA-BX7™ to LUNA-FX7™ (L90001 to L70001) | 1 unit upgrade |
| | L95002 | Upgrade Package from LUNA-BX7™ to LUNA-FX7™ (L90001 to L70001) Bioprocess | 1 unit upgrade |
| Additional slide option available after to LUNA-FX7™ upgrade | L12005 | PhotonSlide™, 50 Slides | 1 box |
| | L12006 | PhotonSlide™, 500 Slides | 10 boxes |
| | L12007 | PhotonSlide™, 1,000 Slides | 20 boxes |
| Validation Slides option after upgrade | L72030 | Cell Counter Validation Slide-FL | 1 unit |
| Reagents available after upgrade | L73101 | LUNA-FX7™ Calibration Beads Kit | 1 kit |
| | F23001 | Acridine Orange/Propidium Iodide Stain | 2x0.5 mL |
| | F23011 | Acridine Orange/Propidium Iodide Stain, Sterile-filtered | 2x0.5 mL |
| IQ/OQ Protocol option after upgrade | F74003 | LUNA-FX7™ IQ/OQ Protocol | 1 copy |
| Printer options after upgrade | P17011 | LUNA™ Printer III | 1 unit |
| | P17002 | Thermal Printer Refills, Paper and Ribbon | 2x5 rolls |

* all items listed in this section are compatible only after upgrade from LUNA-BX7™ to LUNA-FX7™

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