



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  |   |

Odering 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<br>50 µL<br><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    |
|                       |   | L72001 | LUNA™ 8-Channel Slides, 50 Slides                              | 1 box       |
|                       | 8-channel slides<br>10 µL<br><i>FX7-only</i>    | L72002 | LUNA™ 8-Channel Slides, 500 Slides                             | 10 boxes    |
|                       |   | L72003 | LUNA™ 8-Channel Slides, Sterile - gamma-irradiated, 500 Slides | 10 boxes    |
|                       |   | L72021 | LUNA™ 3-Channel Slides, 50 Slides                              | 1 box       |
|                       | 3-channel slides<br>10 µL<br><i>FX7-only</i>    | L72022 | LUNA™ 3-Channel Slides, 500 Slides                             | 10 boxes    |
|                       |   | L72023 | LUNA™ 3-Channel Slides, Sterile - gamma-irradiated, 500 Slides | 10 boxes    |
|                       |   | L12001 | LUNA™ Cell Counting Slides, 50 Slides                          | 1 box       |
| Validation Slides     | 2-channel slides<br>10 µL<br><i>Brightfield</i> | L12002 | LUNA™ Cell Counting Slides, 500 Slides                         | 10 boxes    |
|                       |   | L12003 | LUNA™ Cell Counting Slides, 1000 Slides                        | 20 boxes    |
|                       |   | L72040 | Cell Counter Validation Slide (Brightfield)                    | 1 unit      |
|                       |   | T13001 | Trypan Blue Stain, 0.4%  | 2 x 1 mL    |
| Reagents              |   | T13011 | Trypan Blue Stain, 0.4%, Sterile-filtered                      | 2 x 1 mL    |
|                       |   | L13002 | Erythrosin B Stain   | 2 x 1 mL    |
|                       |   | L71001 | CountWire™ Basic   | 1 set       |
| Software              |   | L71002 | CountWire™, Additional PC License                              | 1 unit      |
|                       |   | L94003 | LUNA-BX7™ IQ/OQ Protocol                                       | 1 copy      |
| IQ/OQ                 |   | L94005 | LUNA-BX7™ PQ Protocol  | 1 copy      |
|                       |   | P17011 | LUNA™ Printer III  | 1 unit      |
| Printer-related Items |   | P17002 | LUNA™ Printer II Refills, Paper and Ribbon (300 prints/roll)   | 2 x 5 rolls |



High-Performance Cell Counting  
Made Affordable

LUNABX7™  
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.

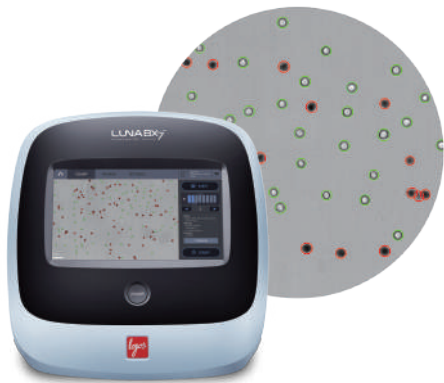
## All-in-One Performance and Integrated Connectivity

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.



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

## IQOQ and 21 CFR Part 11 Ready

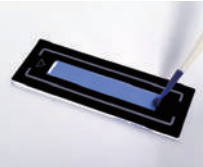



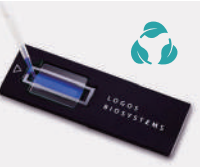
Ensure full compliance and validation with our comprehensive Installation Qualification and Operational Qualification (IQOQ) support. Our system is fully prepared to meet 21 CFR Part 11 regulatory standards, giving you confidence when operating under GMP regulations. These features guarantee that your operations consistently meet all necessary regulatory requirements.



## Quality Control

Our pre-printed validation slide and built-in QC software ensure reliability and accuracy of the LUNA-BX7™. 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.



|                        | LUNA™<br>1-Channel Slides   | LUNA™<br>Cell Counting Slides /<br>PhotonSlides™                                    | LUNA™<br>3-Channel Slides   | LUNA™<br>8-Channel Slides  | LUNA™<br>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 volme | 5.1 µL  | 1.3 µL / chamber  | 1.3 µL / chamber  | 0.5 µL / chamber   | 1.3 µL  |