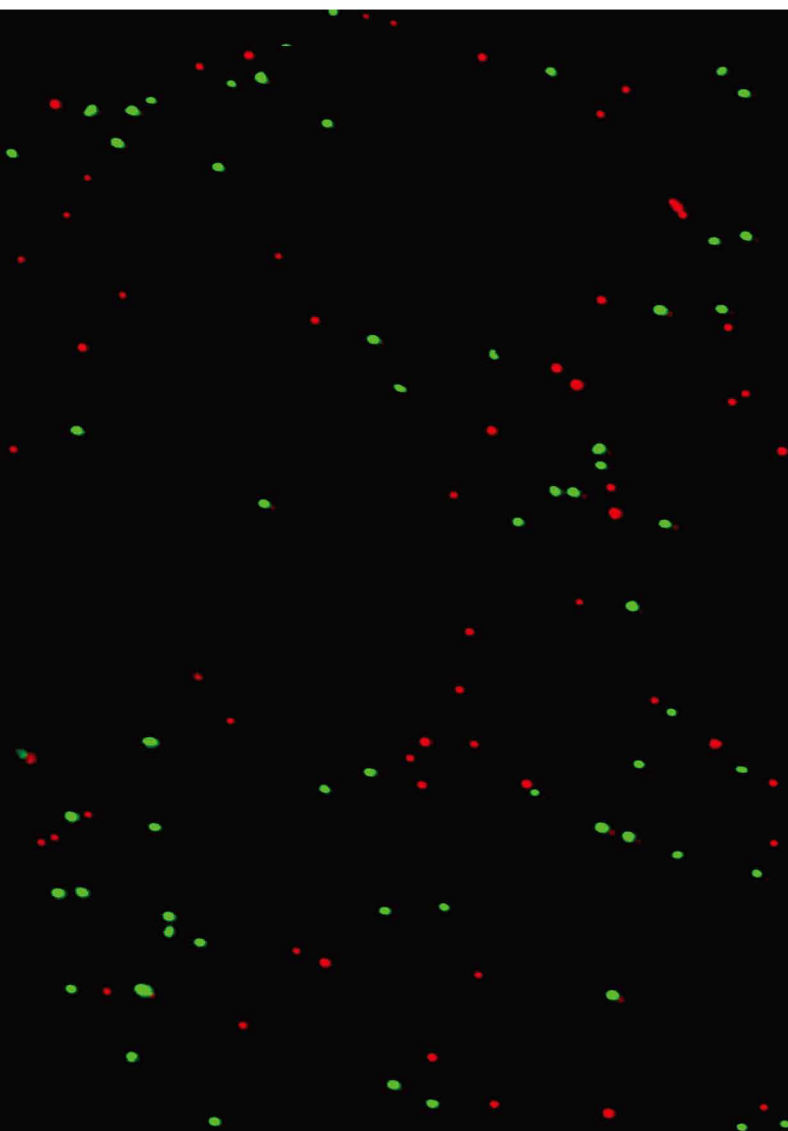


The LUNA-FL™ is a fluorescence cell counter that measures cell viability and counts cells. The most advanced integrated fluorescent optics sets the LUNA-FL™ apart from other cell counters by providing unparalleled counting speed and accuracy of any cell type. Accelerate your research with the ultimate automated cell counter, the LUNA-FL™.



Luna *fl*™

The Ultimate Automated Cell Counter

The Ultimate Automated Cell Counter



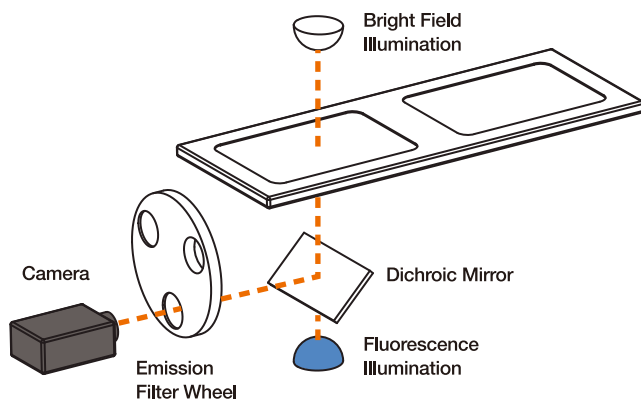
The LUNA-FL™ automated cell counter is a stand-alone compact instrument with combined fluorescence microscopy and image analysis software. Its interactive touchscreen interface makes accurate cell counting simple.

Luna *fl*™

Dual Fluorescence Cell Counting

The LUNA-FL™ automated cell counter from Logos Biosystems is a quantum leap for automated cell counting and cell viability analysis. The LUNA-FL™ automated cell counter gives you sensitive and accurate live/dead cell counting results without limitation of cell types.

Unlike immortalized cell lines, primary cells such as PBMCs, splenocytes, neutrophils, and stem cells have been difficult to count with conventional cell counters such as Coulter counter or image-based automated cell counters that utilize bright field optics. Primary cells are often contaminated with undesirable debris, which can be confused for cells with conventional cell counters. The LUNA-FL™ is integrated with dual fluorescence microscope optics to overcome this problem. Live/dead cells are stained with the green/red fluorescence dye, and labeled cell images are analyzed with accurate image analysis software.



Key Features ✓

Dual Fluorescence Optics
For Sensitive Cell Analysis

Unmatched Cell Counting
Accuracy

Most Affordable Counting
Cost & Cell Size Gating

Dye Exclusion Based Cell Counting
with Bright Field Optics

Optimized for Primary Cells, Stem
Cells, PBMCs, Splenocytes, etc.

Interactive
Graphic User Interface

Smarter than Ever

Don't always need fluorescence ? Bright field optics is incorporated for dye exclusion based cell counting

LUNA-FL™ also inherited the proven performance of the LUNA™ automated cell counter. The precision bright field microscope optics of the Luna™ is integrated in the LUNA-FL™ to provide the convenient features of trypan blue stained cell counting. The powerful and accurate cell counting algorithm of the LUNA™ is still available with the LUNA-FL™.

LUNA-FL™ = LUNA™ + dual fluorescence

Interactive Software Interface

Powerful On-board Analysis

After the cell counting operation is performed, integrated analysis software gives immediate viability data which is reported on the LUNA-FL™. For validation purposes, living cells are conveniently circled in green and dead cells in red.

Image Overlay

The analyzed images from each channel (bright field, green, and red channel) can be merged directly on the screen. The brightness of each color can be adjusted independently for the accurate monitoring.

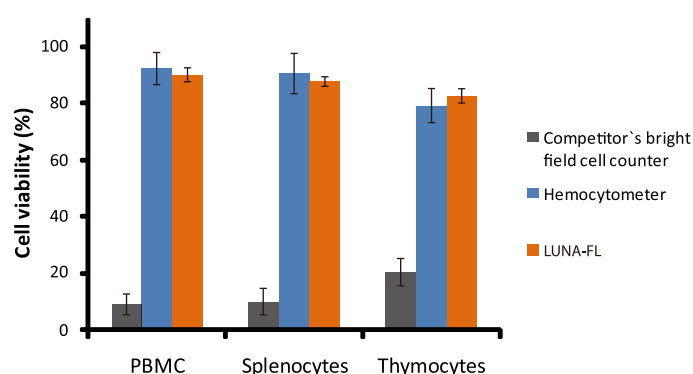
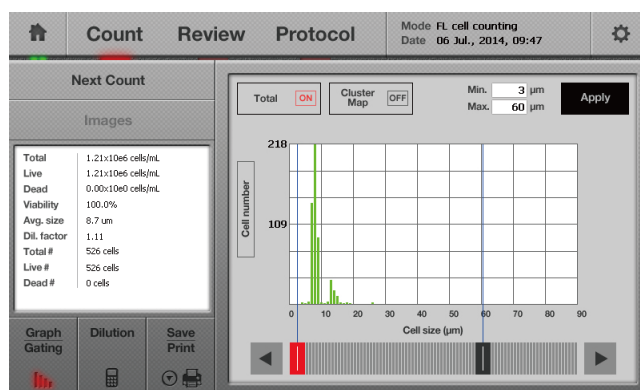
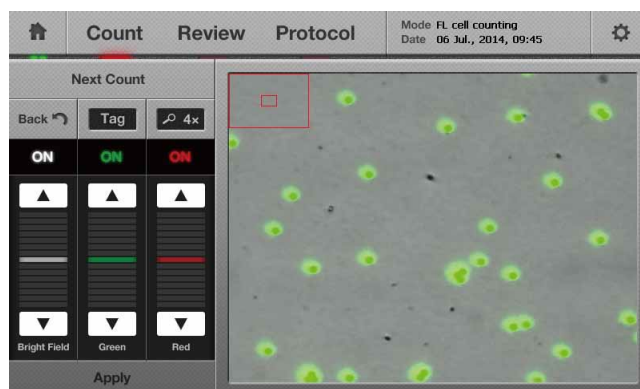
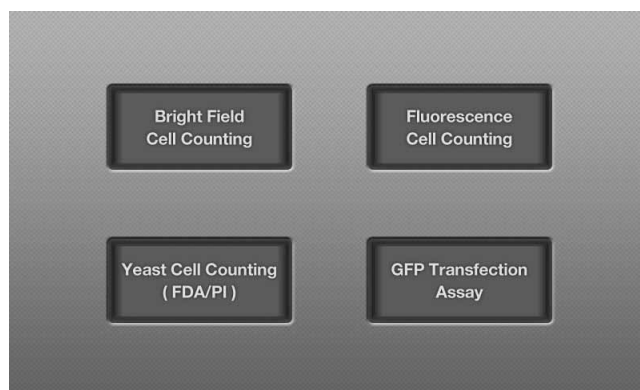
Images can then be saved to the USB drive for storage, transfer, or future analysis.

Cell Size Gating

Counted cells can be gated based on the cell size information. Using a histogram to display live and dead cell populations, particles can be easily excluded or included by simply defining the cell size to include in the count data.

Data Report

The analyzed data can be easily saved as a PDF report or CSV file. Cell counting results, cell image data, and a various types of histograms are integrated into a single PDF file and transferred via a USB drive. Data from previous cell counts (up to 1,000 counts) are archived on the LUNA-FL™.

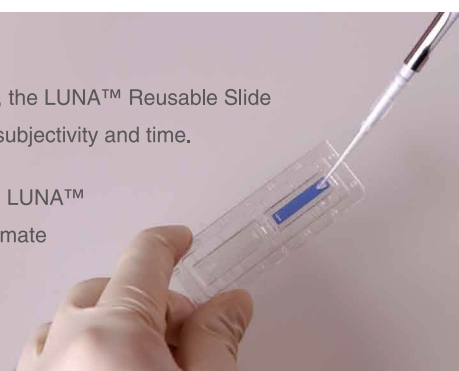


The lowest counting costs



Cost efficient: Designed for cost-efficient and accurate cell counting, the LUNA™ Reusable Slide has the affordability of manual cell counting without the associated subjectivity and time.

Convenient: The LUNA-FL™ is compatible with PhotonSlides™ and LUNA™ Cell Counting Slides. These disposable precision slides offer the ultimate counting experience with no mess or cleanup, while maintaining the highest standard of cell counting accuracy.



Specifications

| | |
|--------------------------|---|
| Sample Volume | 10 μl |
| Cell Counting Time | 30 sec |
| Cell Concentration Range | 5×10^4 - 1×10^7 cells/mL |
| Cell Size Range | Detectable Range: 1 - 90 μ m Optimal Range: 5 - 60 μ m |
| Excitation wavelength | 470 \pm 20 nm |
| Emission wavelength | 530 \pm 25 nm, 600 nm (LP) |
| Light Source | LED |
| Image Resolution | 5 MP |
| LCD Display | 800 x 480 pixels |
| Dimensions (WxDxH) | 22 x 21 x 9 cm (8.6 x 8.3 x 3.5 in) |
| Weight | 1.8 kg (4 lb) *without the AC adapter and power cord |

Cell Lines Validated

On The LUNA-FL™ Automated Cell Counter

| Cell Type | Vendor | Animal | Organ |
|------------|--------------|-----------------|--------|
| PBMC | Primary Cell | Mouse | Blood |
| Splenocyte | Primary Cell | Mouse | Spleen |
| Thymocyte | Primary Cell | Mouse | Thymus |
| A431 | ATCC | Human | Skin |
| CHO-M1WT2 | ATCC | Chinese Hamster | Ovary |
| CHSE | ATCC | Chinook Salmon | Embryo |
| COLO-205 | ATCC | Human | Colon |
| COS-7 | ATCC | African Monkey | Kidney |
| HEK-293 | ATCC | Human | Kidney |
| HeLa | ATCC | Human | Cervix |
| HepG2 | ATCC | Human | Liver |
| HL-60 | ATCC | Human | Blood |
| J774A.1 | ATCC | Mouse | Blood |
| Jurkat | ATCC | Human | Blood |
| MCF7 | ATCC | Human | Breast |
| MRC-5 | ATCC | Human | Lung |
| NIH/3T3 | ATCC | Mouse | Embryo |

Ordering Information

| Cat# | Product | Size |
|--------|---|-------------|
| L20001 | LUNA-FL™ Automated Fluorescence Cell Counter | 1 unit |
| L12001 | LUNA™ Cell Counting Slides, 50 Slides | 1 box |
| L12002 | LUNA™ Cell Counting Slides, 500 Slides | 10 boxes |
| L12003 | LUNA™ Cell Counting Slides, 1,000 Slides | 20 boxes |
| L12011 | LUNA™ Reusable Slide | 1 unit |
| L12012 | LUNA™ Reusable Slides | 2 unit |
| L12014 | LUNA™ Reusable Slide Coverslips | 10 unit |
| L12005 | PhotonSlide™, 50 slides | 1 box |
| L12006 | PhotonSlide™, 500 slides | 10 boxes |
| L12007 | PhotonSlide™, 1,000 slides | 20 boxes |
| T13001 | Trypan Blue Stain, 0.4% | 2 x 1 mL |
| T13002 | Erythrosin B Stain | 2 x 1 mL |
| F23001 | Acridine Orange / Propidium Iodide Stain | 2 x 0.5 mL |
| F23002 | Acridine Orange Stain | 2 x 0.5 mL |
| F23003 | Propidium Iodide Stain | 2 x 0.5 mL |
| F23202 | Yeast Viability Kit 1 | 1 kit |
| F23004 | Propidium Iodide Stain for Yeast | 2 x 0.5 mL |
| F23211 | Fluorescein Diacetate Stain | 2 x 0.5 mL |
| F23212 | Cell Dilution Buffer | 5 x 20 mL |
| F23213 | Fluorescein Signal Enhancer 1 | 2 x 0.5 mL |
| P10001 | LUNA™ Printer | 1 unit |
| P10002 | LUNA™ Printer Paper - thermal, 700 prints | 3 x 2 rolls |
| P13001 | LUNA™ Printer Cleaning Pen | 1 unit |
| U10005 | USB Drive, 16 GB | 1 unit |

HEADQUARTERS

FL 2 & 3
28 Simindaero 327beon-gil, Dongan-gu
Anyang-si, Gyeonggi-do 14055
South Korea

Tel : +82 (31) 478-4185
Fax : +82 (31) 360-4277
E-mail : info@logosbio.com

USA

7700 Little River Turnpike STE 207
Annandale, VA 22003
USA

Tel : +1 (703) 622-4660, +1 (703) 942-8867
Fax : +1 (517) 266-3925
E-mail : info@logosbio.com

EUROPE

11B avenue de l'Harmonie
59650 Villeneuve d'Ascq
France

Tel : +33 (0)3 74 09 44 35
Fax : +33 (0)3 59 35 01 98
E-mail : info-france@logosbio.com



biosystems

www.logosbio.com

VL1901-01

Your local distributor:



THE INNOVATOR FOR SCIENCE

WWW.ISOGEN-LIFESCIENCE.COM

Benelux

Isogen Life Science B.V.
Veldzigt 2a
3454 PW De Meern
The Netherlands
tel. +31 30 688 0771

Spain and Portugal

Isogen Life Science B.V.
Veldzigt 2a
3454 PW De Meern
The Netherlands
tel. +34 936 365 178

For service questions, please contact
service@isogen-lifescience.com

For all other questions, please contact
support@isogen-lifescience.com