

easycount[™]
system



Automatically count dead and live cells
in one precise test.

Cell Viability You Can Count On[™]

 IMMUNICON[®]

Cell information you can count on.

*Introducing the **EasyCount**™ System for automated counting of dead and live nucleated cells and the automatic calculation of cell viability. All in a single test.*

Automating cell counts and viability calculations with the right analyzer can give you the consistent information you need to make timely and accurate decisions regarding your cell lines. The **EasyCount** System reports results that compare favorably with those from a hemacytometer, yet it eliminates the variability associated with subjective interpretation. Equally important, it does it in one test with results available in less than one minute per sample. And by automatically calculating cell viability, the **EasyCount** System provides you with the precise and accurate information that makes your cell line decisions more informed, and much easier as well.

It's an easy decision.

Using the **EasyCount** System, in combination with the **EasyCount ViaSure**™ Reagent Kit, means you only have to perform one economical test to obtain live and dead cell counts—and automatically calculate cell viability.

The **EasyCount** System is:

- *Accurate* – results compare favorably with those from manual hemacytometer methods.
- *Fast* – results are available in less than one minute per sample.
- *Easy to use* – the simple user interface is intuitive.
- *Convenient* – the **ViaSure** Staining Reagent is ready-to-use.
- *Time-saving* – the wide dynamic range reduces the need for dilutions.

Proven technology you can count on.

The **EasyCount** System, together with the **ViaSure** Staining Reagent, is designed for testing a wide variety of nucleated cell lines, including mammalian cells, hybridomas and ficoll preparations.

The heart of the **EasyCount** System is a fluorescent microscopy-based imaging system that streamlines cell counting procedures. The **ViaSure** Staining Reagent uses a mixture of ready-to-use nucleic acid dyes—Acridine Orange and Ethidium Bromide—to identify live and dead cells, respectively. And they do it in a single test. *It's easy, fast and accurate.*

Easy does it.

As the results become available, they are displayed on the touch screen of the **EasyCount** System for easy transcription, or they can be exported. The easy-to-use graphic user interface and powerful software provide for easy test set-up and quick results. And this ease-of-use translates into *easy training of new personnel.*



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Precision you can trust.

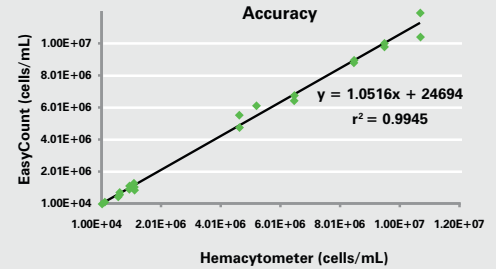
Samples with low and high concentrations of cells were tested with the **EasyCount™** System and the **EasyCount™ ViaSure™** Kit, in duplicate, two times per day for 20 days.

	Low Sample	High Sample
N	80	80
Mean Count	4.19x10 ⁵ cells/mL	3.93x10 ⁶ cells/mL
SD	0.64x10 ⁵ cells/mL	0.32x10 ⁵ cells/mL
CV	15.2%	8.1%

Unmatched accuracy.

Test samples were prepared on three separate days at six different concentrations and were tested in duplicate on the **EasyCount** System using the **EasyCount ViaSure** Kit.

Sample	Mean Total Cell Counts	
	Hemocytometer*	EasyCount System
1	9.54x10 ⁶	9.97x10 ⁶
2	5.43x10 ⁶	5.95x10 ⁶
3	1.06x10 ⁶	1.10x10 ⁶
4	6.07x10 ⁵	6.07x10 ⁵
5	1.04x10 ⁵	1.22x10 ⁵
6	4.69x10 ⁴	6.02x10 ⁴

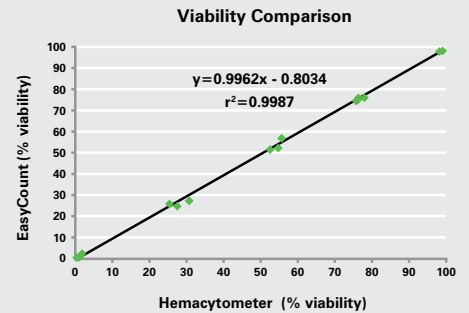


Viability results you can count on.

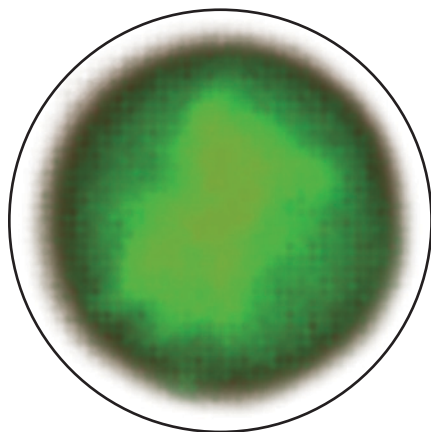
Cell suspensions with viabilities of approximately 0, 25, 50, 75 and 100% were prepared and tested in duplicate with the **EasyCount** System and the **EasyCount ViaSure** Kit.

Sample	Mean Viability	
	Hemocytometer*	EasyCount System
1	98.7%	98.0%
2	76.8%	75.4%
3	54.4%	53.5%
4	27.9%	25.9%
5	1.1%	1.0%

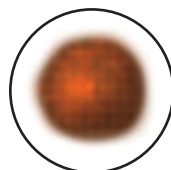
* Manual hemocytometer counts were performed in triplicate using the trypan blue exclusion dye method.



Data on file with Immunicon Corporation.



Live Cell



Dead Cell

3

easy steps to
an accurate count.

Simple Test Procedure



Pipette sample (cell suspension + ViaSure™ Staining Reagent) into a well of the EasyCount™ Slide.⁶



Load EasyCount Slide⁶ into EasyCount SlideNest™ Device.



Insert the EasyCount SlideNest Device into the sample drawer and count.

Then just record or export results.

Technical Information

- Sample Volume: 8 μ l sample
- Dynamic Range: 5×10^4 to 1×10^7 cells/mL
- Detectable Cell Diameter: 8-40 microns
- Calculation: The software determines the total cell count and % viability by counting live and dead cells in the specified volume of the image fields
- Detection Method: Fluorescence microscopy with CCD camera
- Optics: Two Light Emitting Diodes (LEDs) 470 & 530 nm
- Analysis Time: < 1 minute/test
- Number of Images: 6 images/test
- Dimensions:
37.5 H x 25 D x 30 W cm
15 H x 10 D x 12 W inches
- Weight: 9 kg (20 lbs)
- Operating Temperature: 10-35°C, 50-95°F
- Humidity Range: 20-80% relative humidity, non-condensing
- Altitude Range: Up to 2,000 m (6562 ft.)
- Power Requirements: 100-240 VAC, 50-60 Hz

Ordering Information

Product Description	Part Number
EasyCount™ System	9578
EasyCount™ SlideNest™ Device	4506
EasyCount™ ViaSure™ Kit (144 Tests)	9588



Count on the convenience of the **EasyCount™ ViaSure™** Reagent Kit—everything you need for consistent cell counts and viability results:

- The **ViaSure™** Staining Reagent – ready-to-use nucleic acid dyes, with no mixing and no confusion
- The **EasyCount™ SlideNest™** – a six-well sample slide providing the ability to perform up to six consecutive cell counts



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Made in USA
For Research Use Only. Not for use in diagnostic procedures.

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