LESS THAN 1 SEC !

EVE™ *PLUS*

NanoEntek

EVE™ PLUS,

EVE™ PLUS, **Automated cell counter,** with states-of-the-art optics provides image analysis for cell counting. The EVE™ PLUS is a benchtop size counter, designed to measure live, dead, and total counting, which gives us capability for viability with accuracy.

Key features and benefits

⏱ FAST

- Count less than 1 second

👆 EASY

- Trypan blue staining method
- Auto focus, Manual focus
- Monitor to view the cell images
- Not required maintenance
- Small and compact (benchtop size)

⎍ ACCURATE

- Automated image analysis
- Count aggregated cell
- Cell size gating function (select range of cell size)
- Applicable for broad range of cell sizes and types
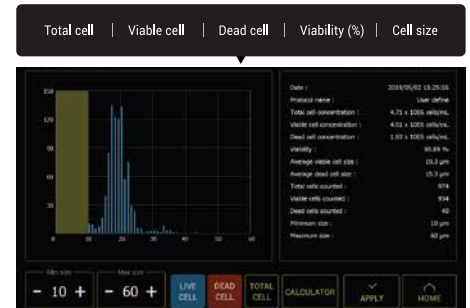
Convenient for use

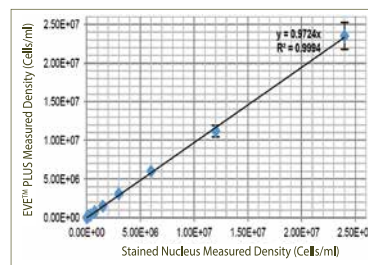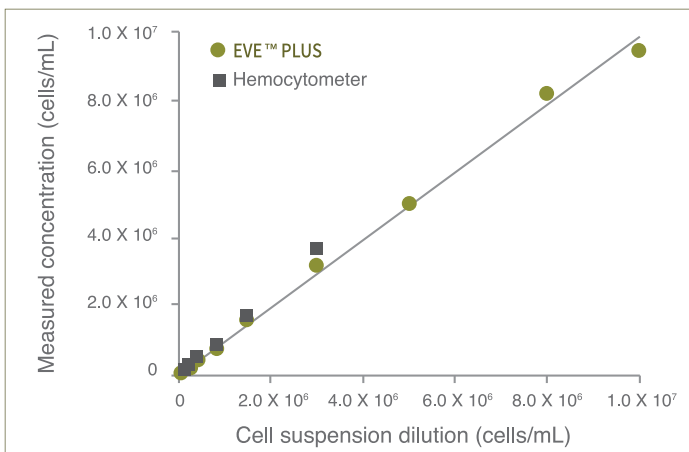**STEP 01.** Load the sample
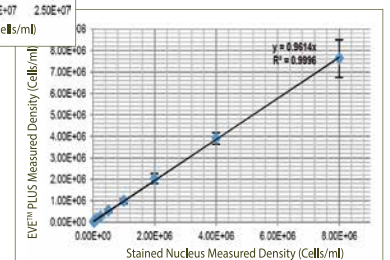
STEP 02. Adjust the focus

STEP 03. Get the results

Results of Accuracy test

Measuring from the EVE™ PLUS extends further the high concentration range than hemocytometer readings
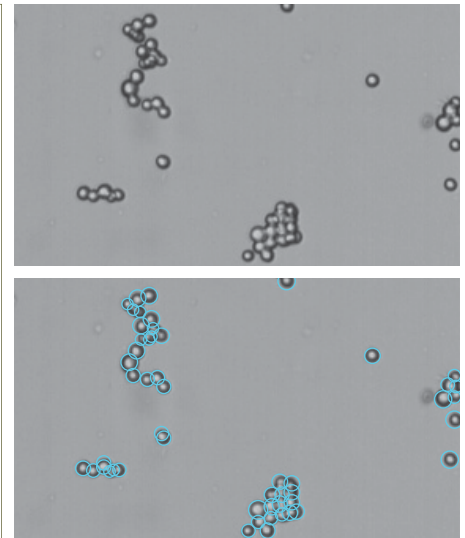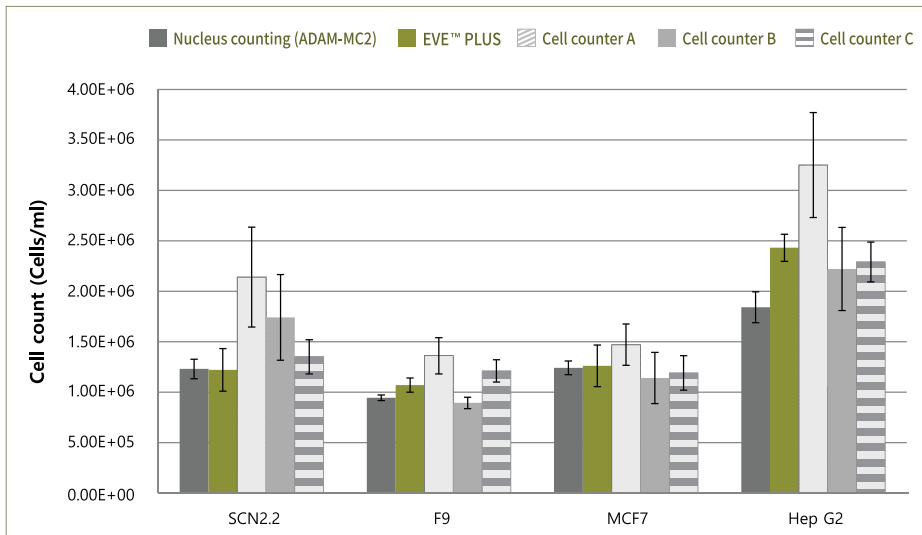

● EVE ™ PLUS
■ Hemocytometer

X-axis: Cell suspension dilution (cells/mL)
Y-axis: Measured concentration (cells/mL)

$y = 0.9724x$
$R^2 = 0.9994$

◀ Single cell

$y = 0.9614x$
$R^2 = 0.9996$

Clumped cell ▶

The World's Fastest Automated Cell Counter

Results of Correlation test (Clumped cell)

Legend: Nucleus counting (ADAM-MC2) · EVE™ PLUS · Cell counter A · Cell counter B · Cell counter C

Clumped cells were counted with EVE™ PLUS, nucleus counting, and the automated cell counters A, B, C. NanoEnTek's ADAM-MC2 device was used for nucleus counting. It is accurate in clumped cells by counting the stained nuclei through the PI staining method. EVE™ PLUS is comparable to the nucleus counting for all cell lines with accuracy and precision. The other automated cell counters A, B, and C were shown inaccurate numbers in the clumped cell. EVE™ PLUS identifies and counts the individual cells within the clumpy cells for accurate analysis.

Cell lines validated on EVE™ PLUS

Cell Type	Animal	Organ	Growth Properties
HeLa	Human	Skin	Adherent
NIH-3T3	Mouse	Embryo	Adherent
U-2 OS	Human	Bone	Adherent
Jurkat	Human	Blood	Suspension
KG-1	Human	Blood	Suspension
HepG2	Human	Liver	Adherent
Hep3B	Human	Liver	Adherent
LNCaP	Human	Prostate	Adherent
SH-SY5Y	Human	Brain	Adherent
SCN2.2	Rat	Brain	Adherent
F9	Mouse	Embryo	Adherent
MCF7	Human	Breast	Adherent
A549	Human	Lung	Adherent
GH3	Rat	Pituitary gland	Adherent

Specifications

Item	Description
Counting time	<1 sec (Manual focus) <10 sec (Auto focus)
Cell measurement range(cells/mL)	$1 \times 10^4 - 2 \times 10^7$
Cell size range	5 - 60 µm
Sample volume	10µL
Staining Method	Trypan blue stain
Display	Tablet PC
Exporter formats	JPEG(image), CSV(raw data), PDF
Data export	USB drive, Wifi
Dimensions	27.4(w) x 23.3(d) x 27.4(h) cm
Weight	4 kg
Technical support	provide remote assistance

Ordering information

Cat. No.	Description	Contents
EVE-MC2	EVE™ PLUS, Automated cell counter	Main device, Power supply, USB Wifi dongle, EVE™ Cell counting slide (50 slides)
EVS-050	EVE™ Cell counting slide	50 slides (100 counts)
EVS-1000	EVE™ Cell counting slide	1,000 slides (2,000 counts)
EBB-001	Test beads Concentration (avg.) 1.0×10^6	1mL

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