

Cellometer[®] Vision

Automatic Cell Counter with Fluorescence Detection

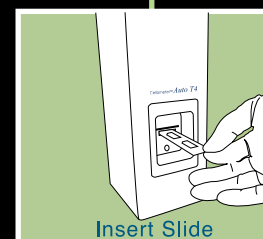
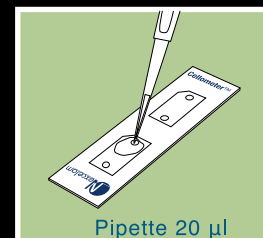


FEATURES

- Disposable Counting Chamber
- Viability by PI or Trypan Blue
- 20 μ L Sample Volume
- Multimode Imaging
- Scatter Plots & Histograms for Cell Size, Fluorescent Intensity and More

BENEFITS

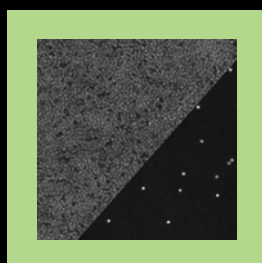
- Simple & Fast
- Morphology Observation
- Small Footprint
- No Washing Biohazard



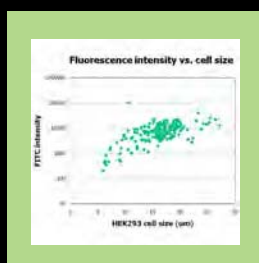
Simply Counted.



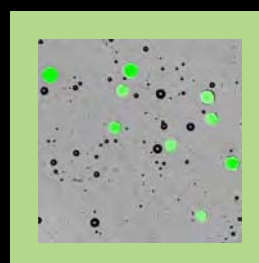
GFP Transfection



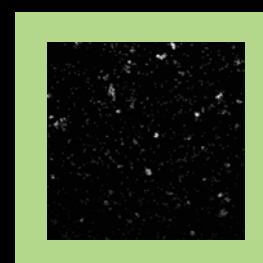
WBC in Whole Blood



FITC Surface Marker



Adipocytes



PI Viability

To schedule a demo or to learn more about how Cellometer Vision can accelerate your cell counting assays, contact us or visit www.nexcelom.com



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GFP Transfection – Capable of acquiring both bright field and fluorescent images from the same sample. By counting GFP positive cells and total number of cells, transfection rate is automatically calculated without extra data manipulation.

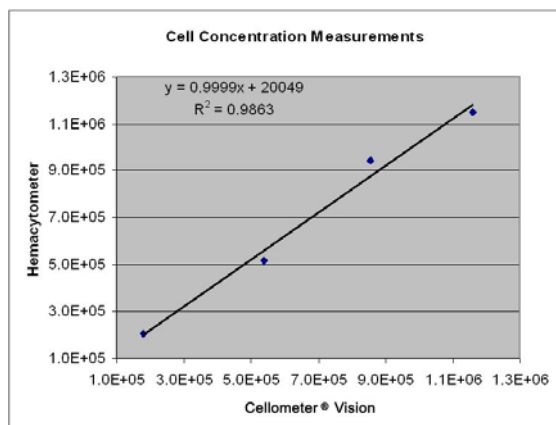
Directly Count WBC from Whole Blood – Mixing whole blood sample with acridine orange and simply pipetting 20µL of sample into a disposable counting chamber is all that's needed prior to counting. White blood cells are identified and counted without lysing red blood cells.

FITC Surface Marker – Quantify the presence of FITC labeled cell surface markers. Scatter plots correlating cell size with fluorescence intensity can be generated on your lab bench in minutes.

Adipocyte Count and Size Distribution - Counting unfixed adipocytes can be automated for real time results and increased reliability. Fluorescence-labeled adipocytes are identified from lipid droplet background. Patent pending multimode imaging techniques are used to automatically generate cell concentration and size histogram.

PI Viability – Configurable for rapid determination of cell concentration and viability using propidium iodide.

Simple Cell Counting- Trypan Blue Viability



Data shown above depict a typical set of concentration data comparison between Cellometer® Vision™ and a traditional hemacytometer. This data set was taken on various concentrations of SKBr-3.

REGULAR CELLS

- CD4, CD8, Lymphocytes, Macrophages
- Mouse Spleen, Thymus, Bone Marrow
- HeLa, MCF7, MDA, MNT1, ARPE-19
- Hybridoma, Cos7, Jurkat
- CGN, U87, Stem cells
- Fibroblast, EL4, K562, Vero
- HEK 293T, CHO, SF9
- >250 Types

IRREGULAR CELL SHAPE

- Lymphoblastoid, Activated T-Cells, RD

LARGE CELL SIZE VARIATION

- Dictyoslelium

HETEROGENEOUS CELL POPULATION

- Fresh PBMC with platelets
- Fresh PBMC with lysed red blood cells
- Mouse Lymphocytes with large tissue debris
- Epithelial & Lymphocytes

SMALL CELL SIZE

- Yeast, platelets, and algae

Cellometer® Vision INSTRUMENT SPECIFICATIONS

Weight: 25 lbs (11kg)
 Dimensions: 6" x 8.5" x 14" (15cmx22cmx36cm)
 Voltage: 100-240V AC, 50-60 Hz
 Multiple Fluorescence Options
 PC Computer Included

ORDER INFORMATION

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