

Cellometer[®] Auto 2000

Automatic Cell Viability Counter with Dual Fluorescence



BENEFITS

Consistent, reliable, and accurate for primary cells

Instant staining and counting

No lysing of RBC needed

Eliminates variation caused by debris

No washing biohazard

Small foot print

FEATURES

20 μ L sample volume

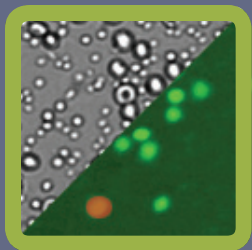
Viability by AO/PI, PI or trypan blue

Dual fluorescence plus bright field imaging

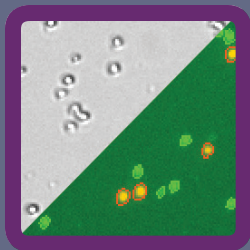
Disposable counting chamber

All-in-one design including computer and touch screen

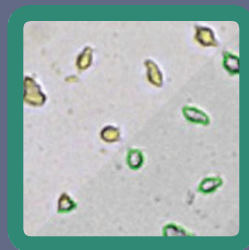
Simply Counted.



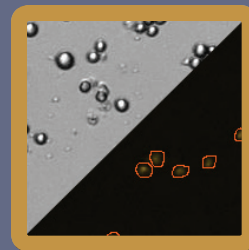
PBMC



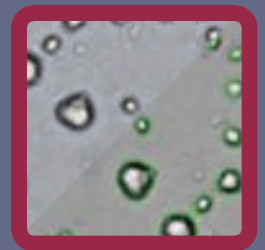
Splenocytes



Cell Lines



PI Viability



Stem Cells

Cellometer® Auto 2000 Standard Assays - Live/Dead Cell Concentration and Viability

Immune Cells with Low RBC - Nucleated immune cells after isolation in samples with some red blood cells stained with AO/PI. PBMC after ficoll separation, splenocytes without lysing RBC, lymphocytes, bone marrow, cord blood and BAL fluid.

Immune Cells with High RBC - Nucleated cells in samples with large amount of red blood cells stained with AO/PI. Whole blood, cord blood and bone marrow.

Stem cells, primary cells - Stem cells, primary cells from dissociated tissues with debris stained with AO/PI.

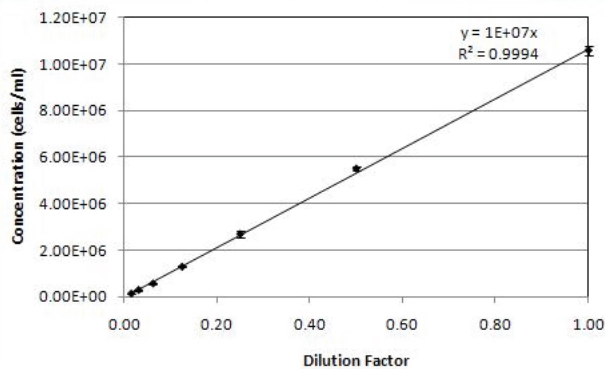
Cell Line - Cell lines or cultured primary cells without debris stained with PI or trypan blue.

Cell Line Total Concentration - Cell lines or cultured primary cells without debris at viability greater than 98%.

Low Cell Concentration - Isolated primary cells or cell lines stained with AO with concentration between $(0.25 - 2.5) \times 10^5$ cells / ml.

User Defined - Produce customized assay settings

Technical Data - Concentration Dynamic Range and Repeatability



Data shown depicts the dynamic range for cell concentration measurements on Cellometer Auto 2000. The concentration can be measured from 1×10^5 - 1×10^7 cells / mL without further dilution.

The %CV at each concentration was below 10%. This data set was taken on a concentration series of primary mouse splenocytes.

Cellometer Product Family



Product Name	Quantity	Catalog #
Auto 2000 - Automatic Cell Viability Counter with Dual Fluorescence	1 Unit	Auto 2000 SK-150
Disposable Counting Chamber	1 Case	CHT4-SD100-014
AO/PI Fluorescent Stain	Each	CS2-0106-5ML
AO Fluorescent Stain	Each	CS2-0109-5ML
PI Fluorescent Stain	Each	CS2-0108-5ML



Other Cellometer Products	Quantity
Vision - Dual fluorescence plus brightfield with user changeable fluorescence optics modules from UV to deep red. High sensitivity fluorescence detection.	1 unit
Auto X4 - One fluorescence plus brightfield with user changeable optics modules from UV to deep red	1 unit
Auto T4 - Brightfield with standard magnification	1 unit
Auto M10 - Brightfield with high magnification	1 unit

Contact Us

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