

# Cellometer<sup>®</sup> 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  $\mu$ L sample volume

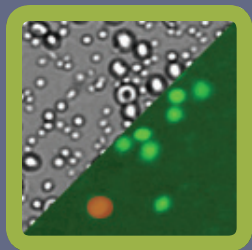
Viability by AO/PI, PI or trypan blue

Dual fluorescence plus bright field imaging

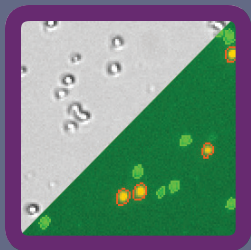
Disposable counting chamber

All-in-one design including computer and touch screen

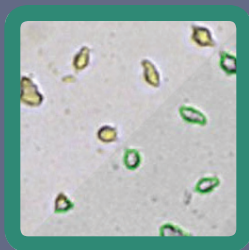
## Simply Counted.



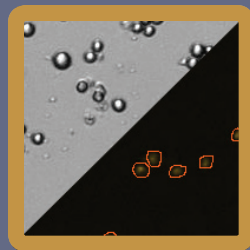
PBMC



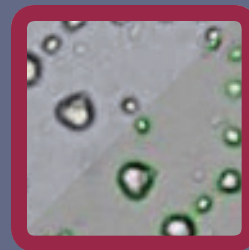
Splenocytes



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.

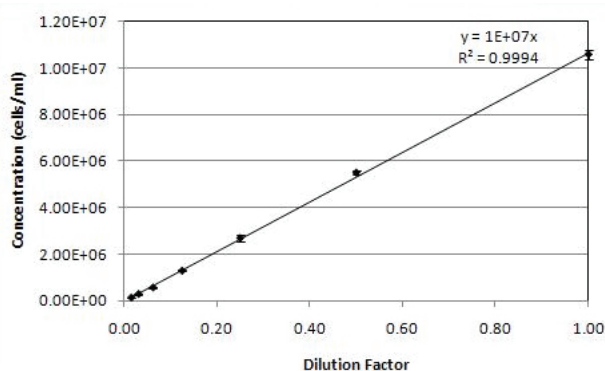
**Cell Line** - Cell lines or cultured primary cells without debris stained with PI or trypan blue.

**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  $1 \times 10^5$  -  $1 \times 10^7$  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 #        |
|--|----------|------------------|
| <b>Auto 2000</b> - 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 |
|---|----------|
| <b>Vision</b> - Dual fluorescence plus brightfield with user changeable fluorescence optics modules from UV to deep red. High sensitivity fluorescence detection. | 1 unit   |
| <b>Auto X4</b> - One fluorescence plus brightfield with user changeable optics modules from UV to deep red  | 1 unit   |
| <b>Auto T4</b> - Brightfield with standard magnification  | 1 unit   |
| <b>Auto M10</b> - Brightfield with high magnification   | 1 unit   |

## Contact Us

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