

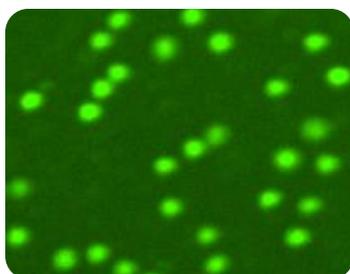
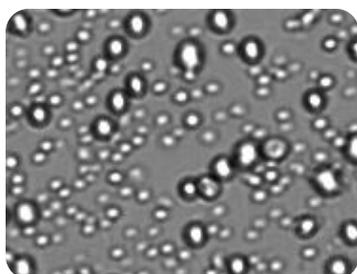
PRODUCT BULLETIN

Cellometer® Auto X4

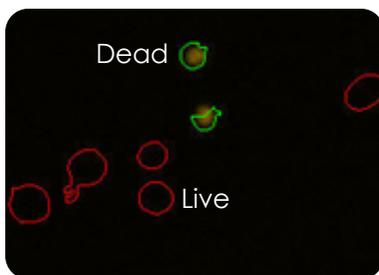
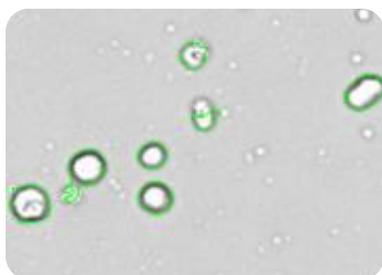
Fluorescence assisted automated cell counter



Ideal for fast, accurate counting of primary samples and cell line viability measurements



Fluorescence imaging capabilities improve primary cell counting
X4 acquires both brightfield and fluorescence images of cell samples and positively counts nucleated cells in fluorescence mode



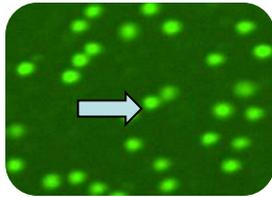
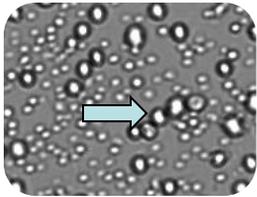
Dual imaging mode for fast and reliable viability detection
For cell lines, total cell count and viability with trypan blue can be acquired using the brightfield imaging mode. Viability with fluorescence dyes such as PI or DAPI can be determined using the fluorescence imaging mode

Cellometer Auto X4 Features:

- Brightfield mode for counting cell lines
- Fluorescence imaging mode ensures accurate results when counting samples with debris
- Interchangeable optics modules available for use with an array of fluorescence stains

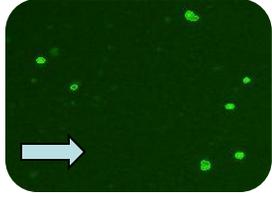
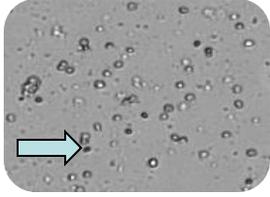
Auto X4 is ideal for:

- Live/total cell counts of primary cells such as:
 - PBMCs
 - WBCs in whole blood
 - Bronchoalveolar lung lavage (BAL)
 - Spleenocytes
 - Other digested tissue samples
- Counting and determining cell line viability using:
 - Trypan blue
 - Fluorescent stains such as propidium iodide, DAPI and more



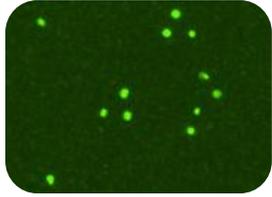
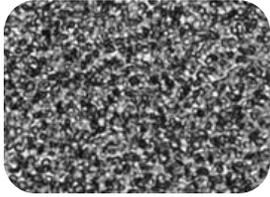
PBMCs.

After treating with acridine orange, only PBMCs are counted in fluorescence mode. RBCs and platelets are ignored



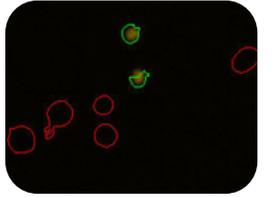
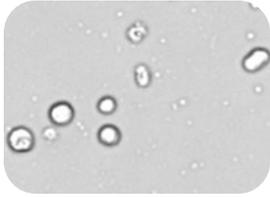
Digested tissues.

Cell debris and undigested tissue are unseen in fluorescence mode to ensure accurate counting results



Blood samples.

Nucleated cells are easily counted in blood samples such as cord blood, bone marrow, or whole blood with no need to lyse RBCs



Viability with fluorescence dyes.

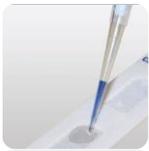
Fluorescence stains such as propidium iodide can be used to determine cell line viability

Applications:

- Live/total PBMC count
- WBCs in whole blood, cordblood or bone marrow
- Spleenocytes
- Other digested tissue samples
- Bronchoalveolar lung lavage
- PI Viability
- DAPI stained cells
- Cell line counting

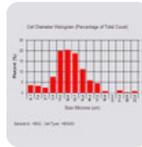
Output data:

- Live cell count/concentration
- Dead cell count
- Viability %
- Cell size data & histogram
- Cell images
- Excel export



Simple to use.

Simply pipette 20uL of sample into a disposable counting chamber, insert, and click 'Count'. No maintenance or system reagents required.



Cell diameter information.

Cell size measurements for each cell and size distribution histograms are automatically generated.



Easy data analysis.

With the click of a button, all results and images can be saved, exported to Excel or printed.



Interchangeable optics modules.

A variety of fluorescence stains can be detected to expand X4's versatility. Modules are available for a variety of fluorophores.

Part Number	Description
Cellometer Auto X4	Cellometer Auto X4 fluorescence/brightfield cell counting instrument. Includes instrument, software, power supply, and one Fluorescence Optics Module.
Laptop controller	Laptop computer with Cellometer software pre-loaded

Available Fluorescence Optics Modules:			
Module	Part Number	Typical Dyes	Excitation/Emission
	XB-535-401	Acridine Orange (AO), Calcein am	475nm/535nm
	XB-595-501	Propidium iodide (PI), Ethidium bromide	525nm/595nm
	XB-695-601	Allophocyanin	630nm/695nm
	XB-450-301	DAPI	375nm/450nm

1001049 Rev. B