



# Cellometer<sup>®</sup> Vision

Image Cytometry System for Cell-Based Assays

Specification Sheet

## Includes:

- Cellometer Vision Instrument
- Cellometer Software
- Two Fluorescent Optics Modules
- Power Supply
- USB 2.0 Connection Cable
- Phone/online applications support during set-up

## Magnification Selection :

- 5x (ex: most mammalian cells)
- 10x (ex: yeast, platelets)

## Imaging Performance:

	5x magnification	10x magnification
Cell Size	5 – 300* microns	0.5 – 25 microns
Conc. Range:	10 <sup>5</sup> – 10 <sup>7</sup> cells/ml	10 <sup>5</sup> – 10 <sup>7</sup> cells/ml

Bright field imaging, fluorescent imaging and pattern-recognition software to quickly and accurately decluster, identify and count individual cells.

\* Cellometer CHT4-PD300 Slides are required for cells > 80 microns in diameter

## Instrument Specifications:

Weight:	25.0 lbs. (11.3 kg)
Dimensions:	Width: 6.0" (15.2 cm) Depth: 8.5" (21.6 cm) Height: 14.0" (35.6 cm)
Input to Power Adapter:	100-240 VAC, 50/60 Hz, 1.0A
Output to Instrument:	12 VDC, 3.34A

## PC / Laptop Minimum Requirements:

(If purchasing Cellometer

without PC laptop)

- Windows 7, 8 or 10
- 1.6 GHz or higher processor
- 2GB RAM (4GB RAM or higher recommended)
- USB 2.0 port or higher
- Display resolution: 1024 x 768 pixels or higher

Intel Mac with Parallels/Windows



Nexcelom Bioscience LLC. | 360 Merrimack Street, Building 9 | Lawrence, MA 01843  
Telephone: 978.327.5340 | Fax: 978.327.5341 | Email: [info@nexcelom.com](mailto:info@nexcelom.com) | [www.nexcelom.com](http://www.nexcelom.com)  
ISO 9001:2008 registered

1001115 Rev. C



# Cellometer<sup>®</sup> Vision

Image Cytometry System for Cell-Based Assays

Specification Sheet

**Available  
Fluorescent Optics  
Modules:**

**VB-450-302**

**Excitation / Emission: 375nm/450nm**

Example Fluorophores:

- DAPI
- Hoechst 33342 & 33258

**VB-535-403**

**Excitation / Emission: 470nm/535nm**

Example Fluorophores:

- Acridine Orange (+DNA)
- GFP
- FITC

**VB-595-502**

**Excitation / Emission: 525nm/595nm**

Example Fluorophores:

- Propidium Iodide (PI)
- Ethidium Bromide (EB)
- R-phycoerythrin (PE)

**VB-610-402**

**Excitation / Emission: 470nm/610nm**

Example Fluorophore:

- Chlorophyll

**VB-660-503**

**Excitation / Emission: 540nm/660nm**

Example Fluorophores:

- Propidium Iodide (PI)
- Ethidium Bromide (EB)
- 7-AAD

**VB-695-602**

**Excitation / Emission: 630nm/695nm**

Example Fluorophores:

- Allophycocyanin (APC)
- Cy5<sup>®</sup>

---

For more information, email [support@nexcelom.com](mailto:support@nexcelom.com) or call: 978-327-5340.



Nexcelom Bioscience LLC. | 360 Merrimack Street, Building 9 | Lawrence, MA 01843  
Telephone: 978.327.5340 | Fax: 978.327.5341 | Email: [info@nexcelom.com](mailto:info@nexcelom.com) | [www.nexcelom.com](http://www.nexcelom.com)  
ISO 9001:2008 registered

1001115 Rev. C