



Cellometer[®] Spectrum

Image Cytometry System for Cell-Based Assays

Specification Sheet

Includes:

- Cellometer Spectrum Instrument
- Cellometer Software
- FCS Express 6 analysis software (2 licenses)
- 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, algae)

Imaging Performance:

	5x magnification	10x magnification
Cell Size	5 – 300* microns	0.5 – 25 microns
Conc. Range:	10 ⁵ – 10 ⁷ cells/ml	10 ⁵ – 10 ⁷ 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:	24.0 lbs. (10.9 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 10
- 2.2 GHz or higher processor
- 4GB RAM (8GB RAM or higher recommended)
- USB 2.0 or higher
- Display resolution: 1024 x 768 pixels or higher

Intel Mac with Parallels/Running Windows 10



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ISO 9001:2008 registered

1001468 Rev. B



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**Available
Fluorescent Optics
Modules:**

S1-534-470

Excitation/Emission: 470nm/534nm

Example Fluorophores:

- Acridine Orange (+DNA)
- GFP
- FITC

S1-655-527

Excitation/Emission: 527nm/655nm

Example Fluorophores:

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

S1-605-527

Excitation/Emission: 527nm/605nm

Example Fluorophores:

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

S1-692-620

Excitation/Emission: 620 nm/692 mn

Example Fluorophores:

- Allophycocyanin (APC)
- AlexaFluor[®]647
- Cy[®]5

S1-594-470

Excitation/Emission: 470nm/594nm

Example Fluorophores:

- Algae

S1-452-365

Excitation/Emission: 365 nm/452 mn

Example Fluorophores:

- DAPI
- Hoechst

For more information, email support@nexcelom.com or call: 978-327-5340.



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