

NucleoCounter[®] NC-3000[™]

– A revolutionary instrument for advanced cell analyses

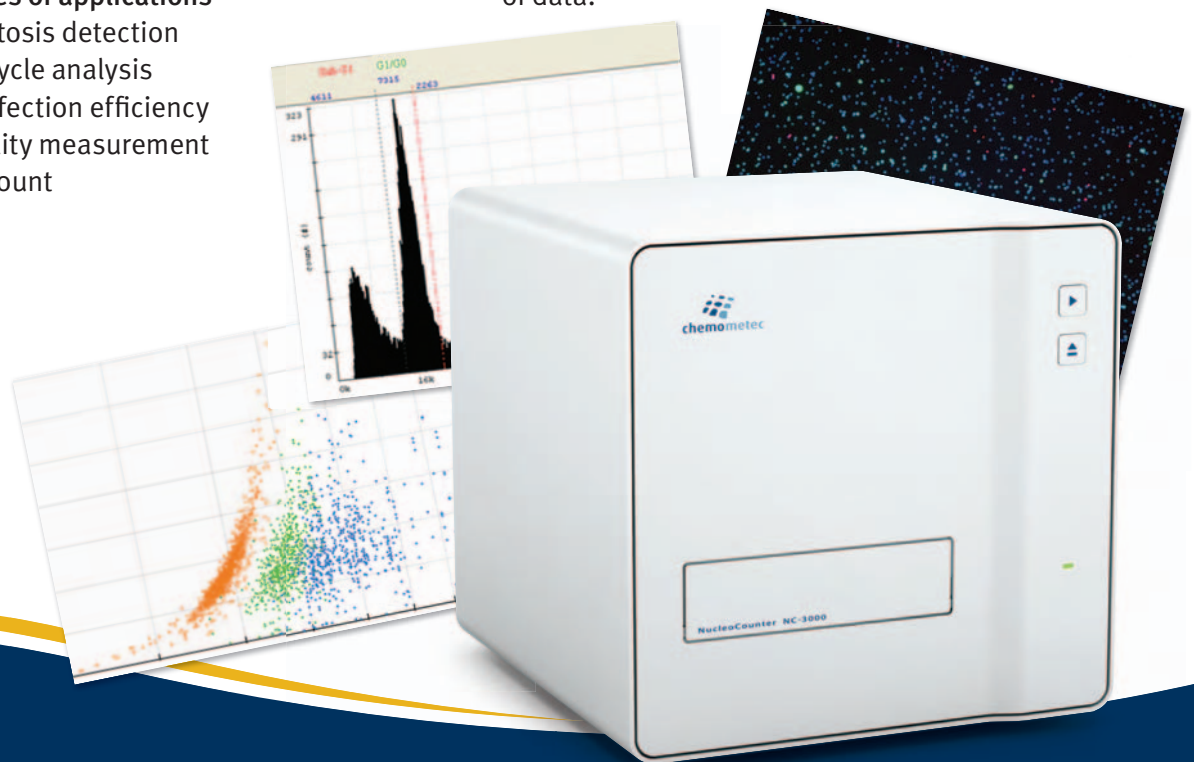
NucleoCounter NC-3000

A novel user friendly system for fast and precise automated detection, quantification and analysis of fluorescence at the single cell level.

Examples of applications

- Apoptosis detection
- Cell cycle analysis
- Transfection efficiency
- Viability measurement
- Cell count

Principle: The NucleoCounter[®] NC-3000[™] is an automated full-spectrum fluorescence microscope and offers a wide array of reliable and user-friendly assays with integrated collection, analysis and reporting of data.



Key Benefits

- Excellent precision and reproducibility
- Extreme ease of use
- Fast analysis (very short total operation time)
- Automated data analysis and superior data visualization software
- Calibration, maintenance and service free
- All in One instrument with a small footprint
- Plug & Play System – preset parameters

NucleoCounter NG-3000 - Advanced cell analyzer based on automatic fluorescence microscopy

Optics	Lens with x2 magnification, 1/2" CCD with 1360 x 1024 pixels
Sample device	NC-3000 cassettes NC-3000 disposable chamber slides (2, 4 and 8 chambers per slide)
Excitation (nm)	Seven LED light sources with peaks at 365, 405, 455, 475, 500, 525 and 590 (standard-version)
Emission (nm)	Eight interchangeable emission filters: 410-450, 415-525, 450-500, 500-555, 520-595, 555-605, 595-750, 630-1100 (standard version)
Sample consumption	50 µl (cassettes) <30 µl (chamber slides)
Analyzed volume	1-4 µl sample (cassettes) 0.2-20 µl sample (chamber slides)
Optimal Range	5×10^4 - 1×10^7 cells/ml
Cell types	Mammalian cells, yeast, insect cells, fish cells
Released applications	Cell count and viability Transfection efficiency (GFP) Cell cycle analysis Apoptosis Assays
PC Platform	Microsoft Windows 32 bit XP SP3, USB 2.0, Screen minimum 1024 x 768, recommended 2 GB RAM
Analysis time	Typical 15-60 seconds (1 µl sample)
Data presentation	Images, tables, histograms, scatter plots
Weight	14 kg
Dimensions	29 x 29 x 31 cm [H x W x D]
Supply Voltage	100-240V~ 50-60Hz
Power Consumption	5/50W (power save mode/ peak)



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