

# NucleoCounter<sup>®</sup> NC-3000<sup>™</sup>

– A revolutionary instrument for advanced cell analyses

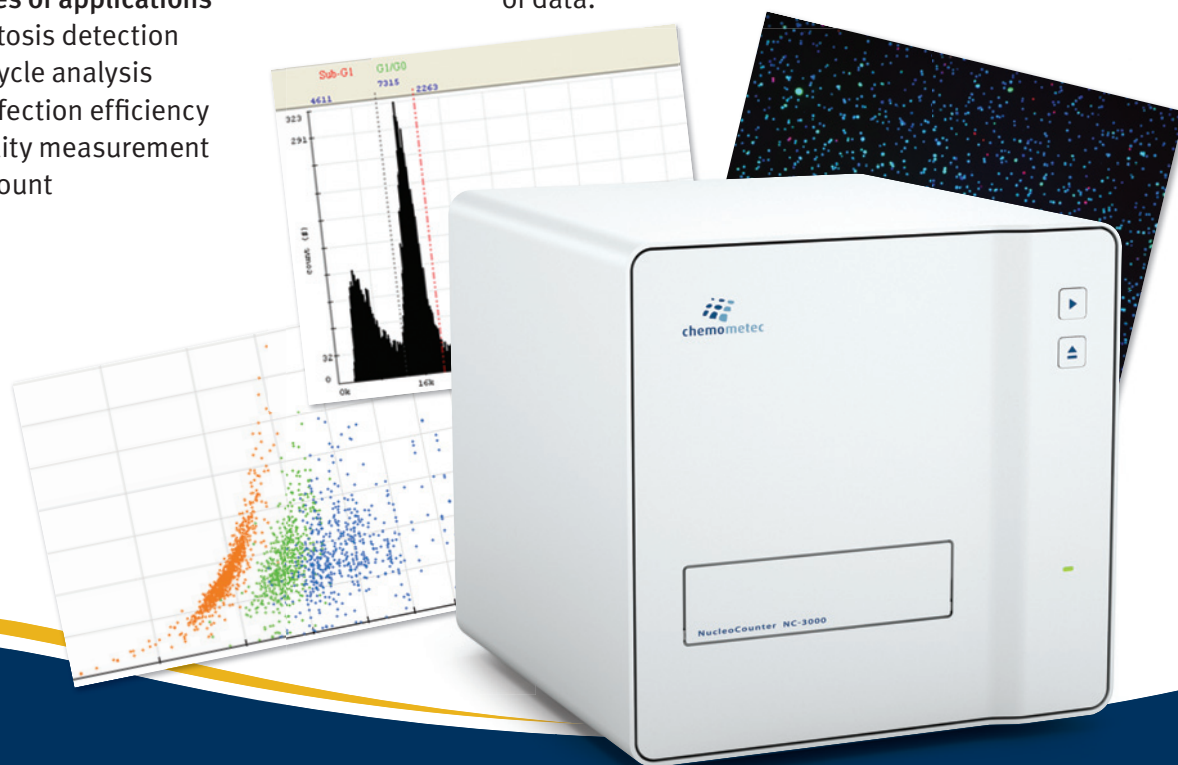
## NucleoCounter NC-3000

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<sup>®</sup> NC-3000<sup>™</sup> 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 NC-3000 - Advanced cell analyzer based on automatic fluorescence microscopy

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



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