

The NucleoCounter® NC-250™ Cell Counter

- Fast & Precise Cell Counter!
- **Lowest price per count ever!**

Cell Cycle Assay
performed in
5 minutes!

The NucleoCounter® NC-250™

Performing multiple determinations of viability and cell count is fast and easy on the NucleoCounter® NC-250™. Carry out 8 samples in one run. Just prepare your cell suspensions by adding the staining solution containing fluorescent dyes, load the 8 cell samples into one slide and press run!

In addition, the NucleoCounter® NC-250™ provides an easy, fast (5 minutes) and high precision assaying of cell cycle profiles.

Furthermore, you can measure cell health by our quick and reliable apoptosis assay. VitaBright-48 stain instantly becomes fluorescent when it binds to thiols inside cells. The level of thiols is a direct measurement of cell health. A reduction in the thiol levels in a cell is a documented event in apoptosis.

The NucleoCounter® NC-250™ is a compact benchtop instrument which fits perfectly into any cell laboratory performing research, quality control or monitoring of production.

Principle: The NucleoCounter® NC-250™ is an integrated fluorescence microscope with dual fluorescence channels designed to detect signals from cells stained with fluorescent dyes.

Key Benefits of the NucleoCounter® NC-250™

- ✓ **8 viability and cell counts in less than 3 minutes**
 - Total cell count
 - Viability
 - Cell diameter
 - % of aggregated cells
- ✓ **Up to 8 advanced analysis in one run**
 - Fast and high precision cell cycle analysis
 - Cell health determination with a fast apoptosis assay
- ✓ **Fast and easy operation**
- ✓ **Excellent reproducibility**
- ✓ **No calibration**
- ✓ **Maintenance and service free**
- ✓ **Flexible software package**
- ✓ **Automated PDF reports**
- ✓ **21 CFR Part 11 ready**

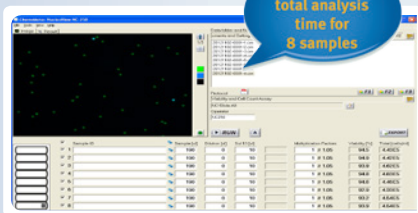
1 minute
Apoptosis Assay



The NucleoCounter® NC-250™
8 samples in one run!

Three useful Assays

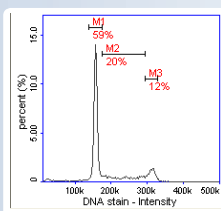
Viability and Cell Count Assay



Viability and Cell Count Assay

- 1 Mix cell sample with **Solution 18**, load the slide and press run.
- 2 In 3 minutes, get 8 results with total cell count, viability, cell diameter and percentage of aggregated cells.

Cell Cycle Assay

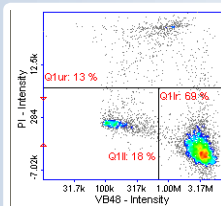


Rapid results
without fixing
or RNase
treatment

Cell Cycle Assay

- 1 Incubate cell sample for 5 minutes at 37°C with a mixture of **Solution 10** and **12**, neutralize by adding **Solution 11**, load slide and press run.
- 2 In 4 minutes, get 8 high precision cell cycle profiles.

Vitality Assay



New and
innovative
Apoptosis
Assay

Vitality Assay

- 1 Add **Solution 6** to your sample, immediately load the slide and press run.
- 2 In 4 minutes, get 8 apoptosis measurements.

NucleoCounter® NC-250™ Specifications

Loading volume:	30 µl for A2-slides, 10 µl for A8-slides
Measurement volume:	Viability and Cell Count Assay: 11.2 µl for A2-slides, 2.4 µl for A8-slides
Analysis time:	Viability and Cell Count Assay: 3 minutes for 8 samples in one A8-slide 2 minutes for 2 samples in one A2-slide
Measurement range:	Viability and Cell Count Assay: 5 x 10 ³ to 1 x 10 ⁷ cells/ml
Optimal range:	Viability and Cell Count Assay: 5 x 10 ⁴ to 5 x 10 ⁶ cells/ml
Size:	19 x 29 x 32 cm / 8 x 12 x 13 in. (W x H x D), weight 9 kg / 20 lb
Software:	NucleoView™ NC-250 computer software for documentation and presentation

Automated PDF reports



Next generation cell analysis is here: NucleoCounter® NC-3000™



Do you want to know even more about your cells?



For more information, please visit
www.chemometec.com/NC-250