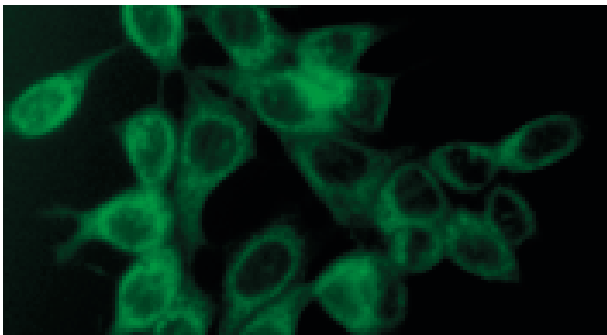


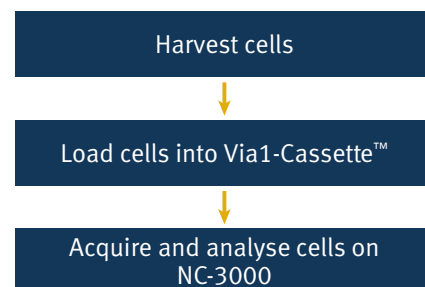
NC-3000 Viability and Cell Count Assay

– For easy, fast and objective cell counting

The Via1-Cassette™ used together with the NucleoCounter® NC-3000™ enables fast and reliable determination of cell count and viability in one simple step. It is suitable for a wide range of cell types such as adherent and suspension cell lines and primary cells. In order to determine viability and cell concentration, a sample of the cell suspension is drawn directly into the Via1-Cassette™. The inside of the Via1-Cassette™ is coated with two different dyes, staining the entire cell population and the non-viable cells, respectively. The Via1-Cassette™ is placed in the NucleoCounter® NC-3000™ where the cell count and viability are determined.

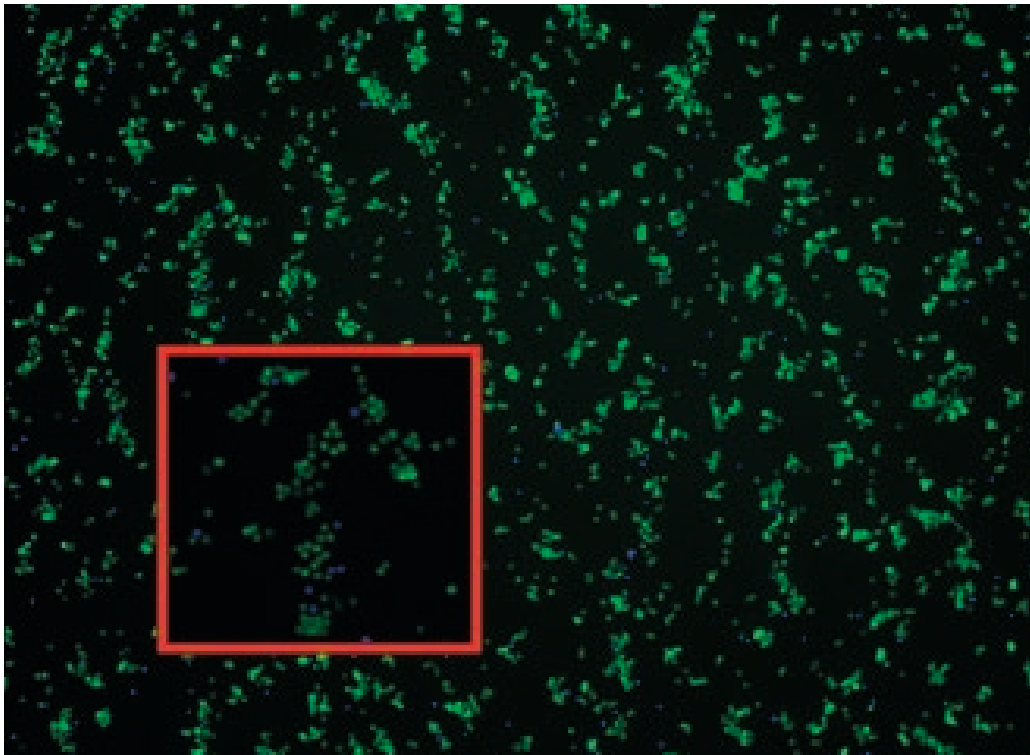


NC-3000 Viability and Cell Count



Key benefits

- Extremely fast and convenient measurement of cell count and viability
- No pretreatment necessary
- High accuracy and high reproducibility
- Automatic data collection
- No calibration
- Objective analysis
- Analysis time less than 45 seconds



#	Description	Results	Image
-	Viability [%]	96.1	MCF-7 Via1 cell count
	Viable cells [cells/mL]	4.87E6	
	Nonviable cells [cells/mL]	2.00E5	
	All cells [cells/mL]	5.07E6	

Determination of cell count and viability. MCF-7 cells were harvested and loaded into a Via1-Cassette™ and analysed on the NC-3000 using the *Viability and cell count protocol*. The image acquired using NC-3000 is shown. The total cell population is stained with **acridine orange** and appears green while non-viable cells are stained with **DAPI** (seen as blue cells). An inserts shows a close up of a part of the image. Below are the result box presenting the data obtained.