

YeastCyte Technical Specifications

As of January 29, 2007

Light source	5 mW diodelaser, nominal wavelength 532 nm.
Light scatter detector	Photo diode, wavelength 532 nm - 570 nm.
Light scatter sensitivity	2.0 - 20 μ m, measured with mono disperse particles.
Light scatter resolution	CV 5% at 500.000 cells/ml.
Fluorescence detector	Avalanche photo diode, wavelength 570-900 nm.
Fluorescence resolution	CV 5% at 500.000 cells/ml.
Flow cell	Closed flow channel, 0.25 x 0.25 mm.
Sample	5 ml.
Concentration range	$2 \times 10^4 - 1.5 \times 10^6$ particles/ml.
Power supply	14 VDC, 2 A, from mains adapter (100-240 VAC 50/60 Hz).
Connections	<ul style="list-style-type: none"> • One 2.5 mm jack for DC supply. • RS232C, 9 pin D-type (male). • Four tube connections for external containers for sheath fluid, dye buffer, high and low waste.
Dimensions	340x230x500 mm.
Weight	14,2 kg.
Trademarks	YeastCyte® is a registered trade mark of <i>BioDetect</i> AS. Propidium iodide (PI) is trade mark of Molecular Probes, Inc.