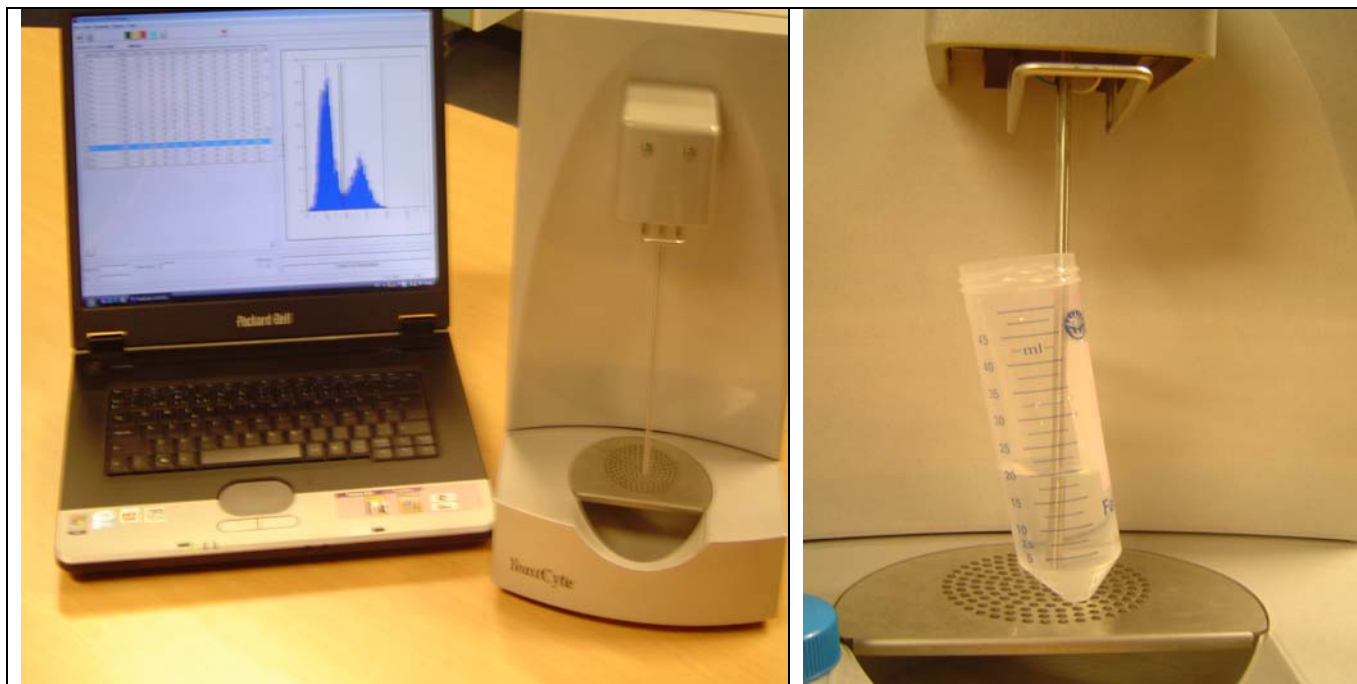


# YeastCyte 3041<sup>®</sup>

*Flow Cytometer for analysing the total and viability*



YeastCyte 3041 our new model of the well known YeastCyte 3001 that are used by leading breweries, universities and laboratories world wide.

Monitoring and controlling the viability and total number of cells is of utmost importance for obtaining optimal product quality.

BioDETECT provides an automatic system for rapid, on-site enumeration and viability testing of yeast cells and a specific line of reagents. YeastCyte<sup>®</sup> is an electro optical cell counter using a fluorescent reagent to mark the cells with leaky cell membrane. The cells are illuminated by a laser, detected one by one, enumerated, and finally presented on a PC. YeastCyte<sup>®</sup> handles all mixing of sample and reagent automatically inside the instrument.

**Rapid response** - results obtained within one minute

**Multi cell testing** -test more than one type of cells the in same sample

**User friendly operation** - turn on the instrument, software loaded on the laptop will guide you through the test

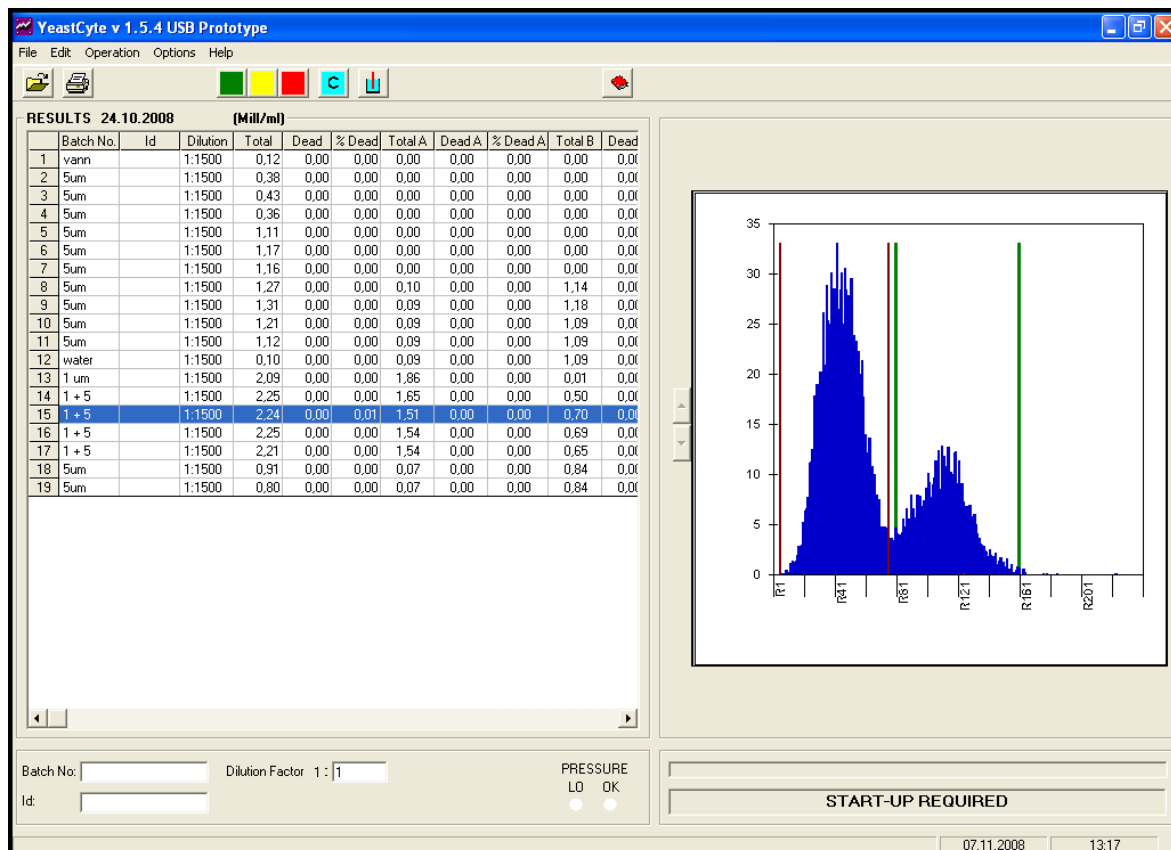
**Reliability** - more accurate than the methylene violet staining

**Auto Stain** - sample and reagent is mixed automatically

**Auto Wash** - the instrument regularly washes itself to prevent contamination and clogging from

**Automatically saving of results** - the results directly to hard disk on pc, Easy to recall

**Easy to transfer result to a report** –convert files to Microsoft excel or print screen or reports



## Easy to use with reliable results

YeastCyte<sup>®</sup> is operated from a computer. No instrument adjustments are required prior to analysis. Results are presented directly as counts per millilitre. Files can be saved in excel formats for subsequent analysis. The software presents the data in a user friendly Windows format. All result saved directly and automatically to the hard disk. Automatic or multi preset discriminator settings provide optimal, objective counting conditions of one or more type of cells pr sample. Detection limits optimized for yeast analysis.

## Technology

Flow Cytometer is a technique for rapid counting and analysis of biological cells and other microscopic particles in a liquid by the use of a laser. This technique provides accuracy, speed, versatility, and excellent precision. The light source is a long life diode pumped YAG laser with 532 nm wavelength. The optical design, where all lenses, filters, light source, detectors and flow cell are mounted in one solid aluminium block, facilitates enhanced stability. For detection of scattered and fluorescent light solid-state photo detectors are used.

## Performance Specifications

Measuring Range	20.000 to 2.000.000 cells/ml
Repeatability	CV<5% at 500.000 cells/ml
Size range	0,5 to 20 micron
Carry-over	<2%
Sample volume	5ml

## Installation Requirement

Power Supply	Operate on 12V DC
Delivered with a	100-240 / AC DC Converter
Ambient temperature	15 – 30 °C
Dimensions (H W D)	340 x 230 x 500 mm
Weight	14 kg

**System Requirement**, YeastCyte software and USB cable delivered with new instrument. (Computer not included)

Hardware	Pentium III or higher microprocessor One USB port 1.1 or higher Colour Monitor 256 colours, minimum 800 x 600 resolution	Software	Microsoft Windows 98 or later Microsoft Excel (only necessary when transfer to excel)
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Minimum 100 MB free RAM, CD-ROM player and mouse

More information and latest update please see: [www.biodetect.no](http://www.biodetect.no) or contact [sales@biodetect.no](mailto:sales@biodetect.no)