

Cedex XS⁺



IMAGE BASED
CELL ANALYSIS





Cedex XS

R & D

Your entry into automated cell culture analysis: the new Cedex XS – innovatis quality and know-how for a low entry price and based on years of experience in image-based cell analysis. This particularly handy device is not only extremely economical in consumption, requiring a very small sample volume of only 10 µl, it also saves time as each measurement is completely finished in less than 1 minute. At the same time, the Cedex XS delivers high quality results for objects between 2–180 µm. The software is based on the Cedex 2 software already in place in pharmaceutical production, and offers substantial performance capabilities. In addition to cell concentration and viability, the Cedex XS delivers information about the cell diameter of detected objects, as well as information about the number and size of aggregates. Results are shown via histograms. Measurements can be evaluated in the Cultivation Time Chart and exported. A color picture of the enlarged cell sample is available for visual control. With the innovative Cedex Smart Slide, you can attain the real measurement results from your cell culture. Profit from the know-how of the specialist: innovatis AG.

Product Description

The Cedex XS is a semi-automated image-based cell analyzer that provides information about cell concentration and viability based on the Trypan Blue Exclusion method. With its revolutionary Cedex Smart Slide, 8 probes can be analyzed with 1 slide. The high resolution camera offers the user a new image quality in color. The software is based on the Cedex 2 software, which is used in pharmaceutical production processes and R&D. The user benefits from innovatis' more than 10 years of experience in validated processes and image-based analysis.

Benefits

The Cedex XS provides fast results combined with a high image quality. In addition to cell concentration and viability, the Cedex XS also provides an analysis of cell diameter and aggregates and displays the results in histograms. Only 10 µl of the sample is required for a single analysis. In addition, the user can increase the statistical accuracy by combining the results of more than one probe for a single measurement. A live view of the measurement chamber is available for visual control of the system. Additional software features include data export, the Live Operator for adjustment of the image analysis algorithm and the Cultivation Time Chart for monitoring cell growth and determining specific growth rate and doubling time.



Image Quality

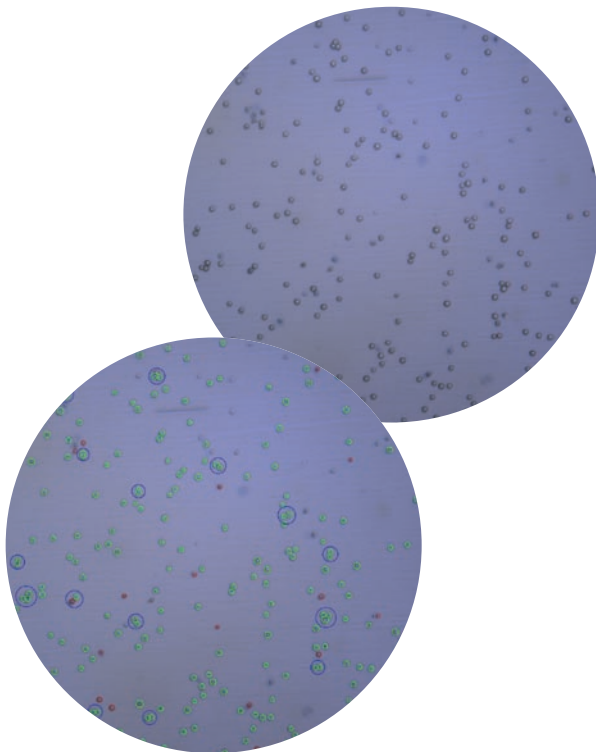
- High resolution 5 megapixel (2592 x 1944)
- 3 x 8-bit color
- Image resolution 0.86 μm per pixel
- USB 2.0

Technology

The Cedex XS is developed for fast analysis of cell cultures based on the Trypan Blue Exclusion method. The semi-automated, image-based cell analyzer features an innovative sterilized 8 slot Cedex Smart Slide.

Technical Features

- Manual liquid handling
- Visual display for slide position
- Live view of the measurement chamber
- Based on Cedex 2 software
- 10 μl sample required
- 8 slot Cedex Smart Slide
- High resolution color camera
- Connection to PC with USB 2.0
- Visual indication of slot number



- Easy to use
- Easy to install
- Data can be archived and restored
- Robust construction
- High-end sterilized slide for sample probes
- Fast high end analyse quality





Cedex XS⁺

Technology

Technical Data

Detectable cell density range	1 x 10 ⁴ – 1 x 10 ⁷ cells per mL
Detectable cell diameter range	5 – 180 μm
Detectable object diameter range	2 – 180 μm
Required sample volume	Sample 5 μl Trypan Blue 5 μl
Number of samples (per slide)	8
Minimum hardware requirements	Pentium IV, 1 GB RAM, 20 GB HDD, USB 2.0
Operating system	Windows® XP, Windows Vista™

Product Number Cedex XS

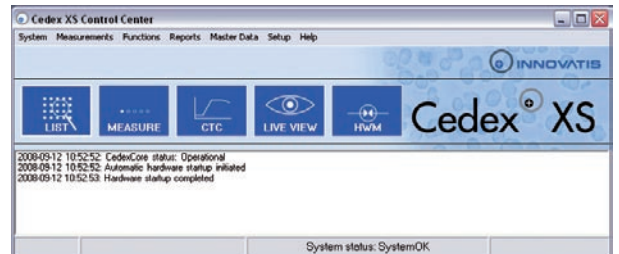
Cedex XS	7 02 07 00 01
Laptop (pre-installed software)	7 07 14 00 50
Cedex Smart	7 62 50 00 01
Slide package (15x8 measurements)	

innovatis AG

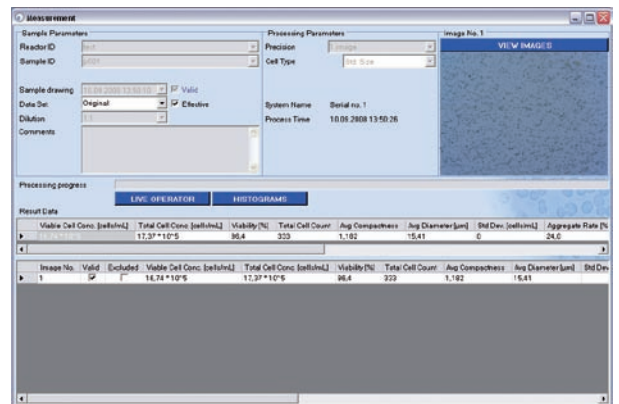
Meisenstraße 96
33607 Bielefeld
Germany
Phone: +49(0)521 29 97-300
Fax: +49(0)521 29 97-285

innovatis Inc.

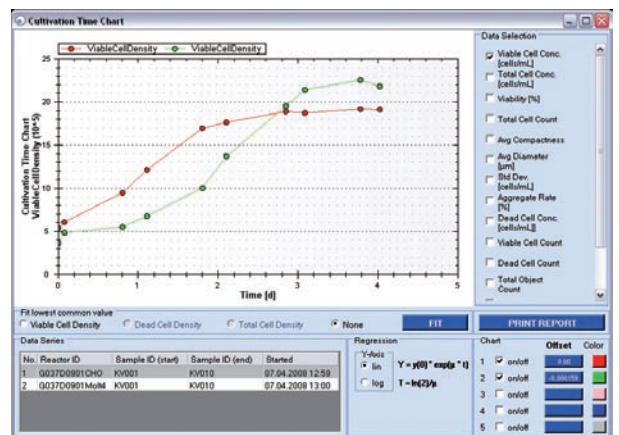
301 Lindenwood Drive, Suite 115
Malvern, PA 19355
U.S.A.
Phone: +1-888-283-1564 Toll free
Fax: +1-888-283-1631 Toll free
Phone: +1-610-889-7319
Fax: +1-610-889-7436
info@innovatis.com
www.innovatis.com



Cedex XS Control Center



Measurement



Cultivation Time Chart