

Data specification

Cedex HiRes⁺

Cedex HiRes Analyzer

Viable/dead cell differentiation	Trypan Blue Exclusion Method
Detectable cell density range	5 x 10 ⁴ - 1 x 10 ⁷ cells per mL
Detectable cell diameter range	2 µm - 40 µm
Detectable object diameter range	1 µm - 90 µm
Required sample volume	300 µL
Measurement period (depending on No. of images pre-selected)	4 - 4 ½ min
Geometric resolution	0.8 µm/Pixel
Chamber height	100 µm
Material and Diameter of the capillaries	Teflon, 765 µm
Operating temperature (Optimal image quality is achieved between 20 °C and 30 °C)	10 °C - 40 °C (50 °F - 100 °F)
Maximum temperature change	5 °C per hour
Maximum humidity deviation	5 % per hour
Operating humidity	20 % - 80 % relative humidity (non condensing)
Dimensions (Height/Width/Depth) mm	465 / 405 / 535
Weight	26.9 kg
Energy requirements	100 - 250 VAC, 50 - 60 Hz
Energy consumption	60 W

Minimum Hardware Requirements

Computer	x86 Architecture, Intel Pentium IV; 2 GHz minimum, 3 GHz recommended Minimum CD burner required, DVD-burner recommended if the computer will not be connected to a server
Operating system	Windows XP® Professional
RAM	1 GB RAM
Hard-disk storage	100 MB free hard-disk storage for the installation of the application Minimum of 20 GB hard-disk storage for data storage of approximately 1000 measurements, 80 GB recommended
USB	2 free ports
Firewire	1 free port (400 Mbps, with 4- or 6 contacts)
Floppy-disk drive	1.44 MB, 3.5 inch
Graphic card	Graphic card resolution, 1024 x 768 pixels, 24-bit color
Monitor	Color monitor or TFT, 1024x768 pixel, 24-bit color

Multi Sampler

Number of samples	1 - 20
Average measurement period for 20 samples (depending on No. of images / measurement pre-selected)	84 - 92 min

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Principle

The Cedex HiRes - the new generation of automated cell culture analysis systems, based on Trypan Blue Exclusion Method.

The state-of-the-art scanner technology allows a highly precise and real complete view to the cell culture. It has never been easier to get results of cells and objects from 1-90 µm.



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