

Cedex Analyzer

Method of measurement
Viable/dead cell differentiation
Detectable cell density range
Detectable cell diameter range
Required sample volume
Average measurement period
Geometric resolution
Chamber height
Material and Diameter of the capillaries
Operating temperature
(Optimal image quality is achieved
between 20 °C and 30 °C)
Operating humidity

Dimensions (Height/Width/Depth)
Weight
Energy requirements
Energy consumption

Digital image recognition
Trypan Blue Exclusion Method
5 x 10⁴ - 1 x 10⁷ cells per mL
8 µm - 40 µm
1000 µL
< 4.0 min
2.1 µm/pixel
100 µm
Teflon, 765 µm

10 °C - 35 °C (50 °F - 95 °F)
20 % - 80 % relative humidity
(non-condensing)
660 mm / 300 mm / 500 mm
34 kg
100-250 VAC, 50-60 Hz
60 W

Computer

Operating system

Windows® 2000 desktop PC
with LCD monitor included,
specifically configured to control Cedex

Optional Multi Sampler

MS20 T

Weight
Dimensions (Height/Width/Depth)
Operating temperature
Energy requirements
Energy consumption
Number of Samples

< 9.0 kg
455 mm/210 mm/300 mm
10 °C - 40 °C (50 °F - 100 °F)
100 - 240 VAC, 50 - 60 Hz
< 25 W
20

MS20 C

Weight
Dimensions (Height/Width/Depth)
Operating temperature
Energy requirements
Energy consumption
Number of Samples

< 5.5 kg
260 mm/250 mm/190 mm
10 °C - 40 °C (50 °F - 100 °F)
100 - 240 VAC, 50 - 60 Hz
< 25 W
20

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Data specification

Cedex



Principle

The Cedex technology represents the industrial standard of automated cell culture analysis based on the Trypan Blue Exclusion Method. With its cutting edge image analysis software the Cedex automatically determines accurate data about cell density, viability as well as additional cell specific parameters. Furthermore, the Cedex technology has proven to fit into GMP-processes and complies with the 21 CFR Part 11 requirements.

