

Centro LB 963

Technical specifications

<i>Detection unit</i>	Low-noise photomultiplier tube in single photon counting mode Spectral range: 340 - 630 nm
<i>Sensitivity</i>	< 1.8 amol ATP (Centro XS) < 1.8 zmol firefly luciferase (Centro XS) < 5 amol ATP (Centro) < 2 zmol firefly luciferase (Centro)
<i>Dynamic range</i>	> 6 orders of magnitude
<i>Crosstalk</i>	Low crosstalk due to crosstalk reduction design: 10^{-6}
<i>Injection Unit</i>	Up to 3 injectors, JET injection technology Variable volumes: 10 – 100 μ L Speed 200 – 440 μ L/sec Accuracy better 2% (over entire range of volume) Precision better 2% (over entire range of volume)
<i>Shaking</i>	3 modes, variable amplitude and speed
<i>Temperature Control</i>	+5°C above room temperature up to 45°C
<i>Microplate Formats</i>	96 well, solid and strip, Dimensions 128.2 x 86.0 x 14.7 mm (L x W x H)
<i>Interface</i>	USB
<i>PC Operating System</i>	Windows 10 (32/64 bit)
<i>PC requirements</i>	Pentium like CPU (2 GHz or better / Intel Core iX recommended), 1 free USB port
<i>Regulations</i>	CE, NRTL
<i>Power Supply</i>	100 – 240 VAC \pm 10%, 50/60 Hz
<i>Operating Voltage</i>	24 VDC / 6.67 A
<i>Power Consumption</i>	3.0 A
<i>Temperature Range</i>	Storage: 0 – 40°C Operation: 15 – 35°C
<i>Humidity</i>	10-80% non-condensing Maximum relative humidity of 80 % for temperatures up to 31 °C; decreasing linearly to 50 %, relative humidity up to 40 °C
<i>Altitude</i>	max 2000 m (above sea level)

*Dimensions
(W x D x H)*

346.8 x 287.5 x 443 mm

Weight

21.8 kg

ICE Software

- Wizard support for parameter entries
 - Single and multiple endpoint
 - Kinetics and Repeated
 - Ratio calculation or subtraction
 - Display of kinetic curves incl. zoomed view
 - Raw data assays (reporter genes, caspases, etc.)
 - Dual raw data assays (e.g. dual reporter genes)
 - Delay (up to 3600 second)
 - Data export: EXCEL
 - Touchscreen enabled
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