

Solutions for small volumes.



# The OD600 DiluPhotometer™



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## Virtual Dilution Built-in

Small, portable spectrophotometer for quantifications at 590 to 610 nm  
 Configured for bacterial growth rates and colorimetric protein assays

**MAINTENANCE FREE SETUP**

No moving parts, no recalibration necessary

**BATTERY OPERATED**

Unlimited mobility, ideal for usage in incubation cabinets and under anaerobic conditions

**DATA OUTPUT VIA RS232 or USB INTERFACE**

Submit data on a computer

**BUILT-IN MEMORY FOR DATA STORAGE**

Storage of up to 99 measurements

**GLP/GMP READY WITH DILUCELL™**

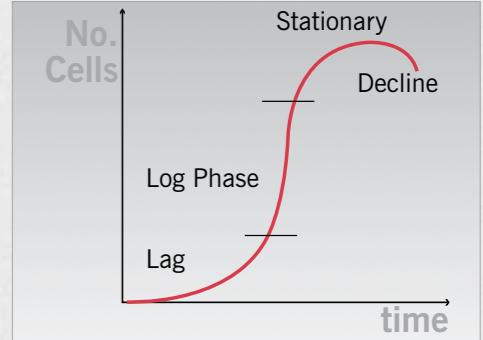
Small volume requirement 200  $\mu$ l or 100  $\mu$ l  
 Automatic sample dilution of factor 10 and 20

**FAST AND EASY HANDLING**

Measurement in less than 3 seconds



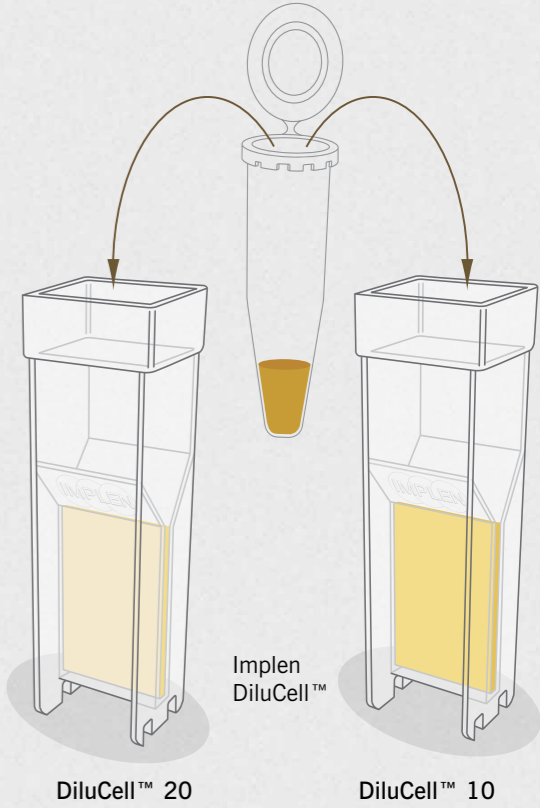
**OD600 Application**



**Protein Application**



**Virtual Dilution with DiluCell™**



## Technical Specifications

### OD600 DiluPhotometer™

Wavelength	600 nm
Bandwidth	40 nm
Range	Optical Density – 0.3 A to 1.99 A
Accuracy	< ±0.05 A at 1 A using Neutral Density Filters
Repeatability	±0.02 A at 1 A
Controls	6 button – power, blank, sample, memory, reset, recall/print
Optical height	8.5 mm
Cuvette holder	Fixed with drain hole. Accepts DiluCell™ 10, DiluCell™ 20, 10 mm pathlength semi micro and macro cuvettes or 14 – 16 mm round tubes.
Output	RS232, USB
Memory	99 readings
Display	Custom LCD
Power requirements	External power adaptor (110 to 220 V, 50/60 Hz, 20 VA) or internal rechargeable NiMH battery
Dimensions	180 x 150 x 60 mm
Weight	0.6 kg

### DiluCell™

Dimension	12 mm x 12 mm x 45 mm
Pathlength	0.5 mm (DC 20) or 1.0 mm (DC 10) (identifyable by special marking)
Automatic dilution	factor 20 (DC 20) or factor 10 (DC 10)
Volume	DC 20: 100 µl max. sample volume DC 10: 200 µl max. sample volume
UV/VIS transparent	starting from 340 nm
Availability	Approved for usage with the OD600 DiluPhotometer™

Features and specifications are subject to change without notice.



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ISO 9001:2015



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