

Technical Specifications

OD600 DiluPhotometer™

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|--------------------|--|
| 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 |
| 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) (identifiable 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 280 nm |
| Centre heights | Suitable for centre heights from 8.5 mm to 15 mm; no adapter needed!!! |
| Availability | Almost all UV/VIS spectrophotometers with a centre height of 8.5 mm – 15 mm |

Features and specifications are subject to change without notice.

The OD600 DiluPhotometer™



The OD600 DiluPhotometer™

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 INTERFACE

Submit data on a computer

BUILT-IN MEMORY FOR DATA STORAGE

Storage of up to 99 measurements

GLP/GMP READY WITH DILUCELL™

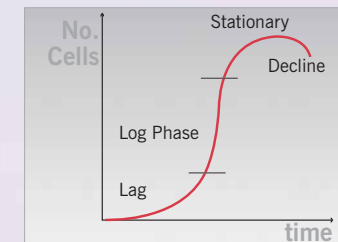
Small volume requirement 200 μ l or 100 μ l
Automatic sample dilution of factor 10 and 20

FAST AND EASY HANDLING

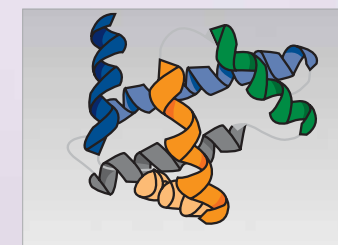
Measurement in less than 3 seconds



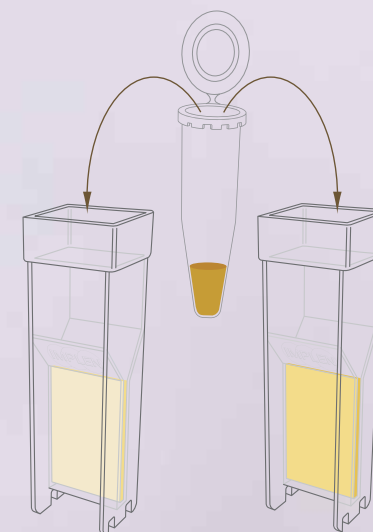
OD600 Application



Protein Application



Virtual Dilution with DiluCell™



DiluCell™ 20

DiluCell™ 10