

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, 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	1.0 mm (DC 10) (identifiable by special marking)
Automatic dilution	Factor 10 (DC 10)
Volume	DC 10: 300 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.



Europe, Asia, South Pacific, Middle East and Africa
 Implen GmbH
 Schatzbogen 52 | 81829 München | Germany
 Tel. +49 89 7263718 20 | Fax +49 89 7263718 54 | info@implen.de | www.implen.de

North and South America
 Implen, Inc.
 31194 La Baya Drive, Unit 104 | Westlake Village | CA 91362 | USA
 Tel. +1 818 748-6400 | Fax +1 818 449-0416 | info@implen.com | www.implen.com

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 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™

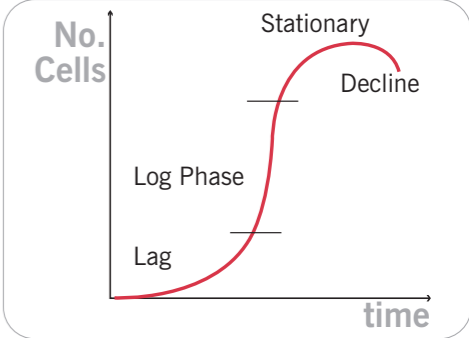
Small volume requirement 300 µl
 Automatic sample dilution of factor 10

FAST AND EASY HANDLING

Measurement in less than 3 seconds



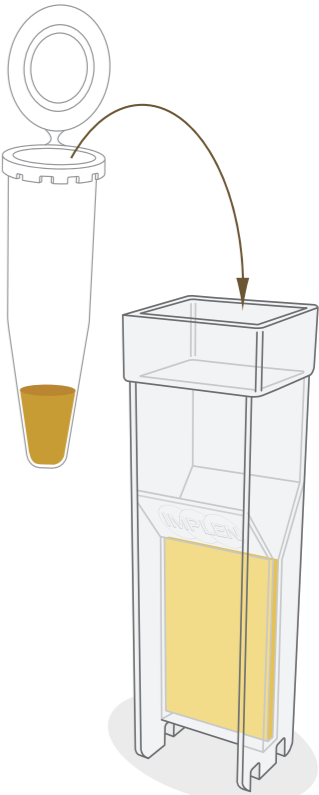
OD600 Application



Protein Application



Virtual Dilution with DiluCell™



DiluCell™ 10