

## 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
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.



#### Worldwide Headquarter

IMPLEN GmbH  
Schatzbogen 52  
81829 München  
Germany

Phone +49 89 72637180  
Fax +49 89 726371854  
Email: info@implen.de  
www.implen.de

#### North and South America

Implen, Inc.  
5855 Belbert Circle  
Calabasas, CA 91302  
USA

Phone +1 818 456-4347  
Fax +1 818 449-0416  
Email: info@implen.com  
www.implen.com

#### UK Office

Implen UK Ltd.  
Cumberland House  
24-28 Baxter Avenue  
Southend on Sea  
Essex, SS2 6HZ  
Great Britain

Phone +44 1702 335588  
Fax +44 1702 334262  
Email: info@implen.co.uk  
www.implen.co.uk

#### Switzerland Office

Implen Schweiz  
Schwaentenmos 15  
CH-8126 Zumikon  
Switzerland

Phone +41 44 9180896  
Fax +41 44 9180812  
Email: info@implen.ch  
www.implen.ch

# 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 INTERFACE**

Submit data on a computer

**BUILT-IN MEMORY FOR DATA STORAGE**

Storage of up to 99 measurements

**GLP/GMP READY WITH DILUCELL™**

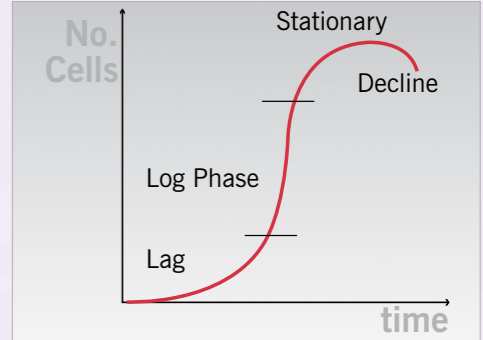
Small volume requirement 200  $\mu$ l or 100  $\mu$ l  
 Automatic sample dilution of factor 10 and 20

**FAST AND EASY HANDLING**

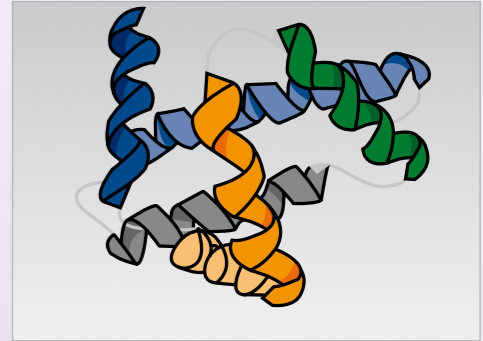
Measurement in less than 3 seconds



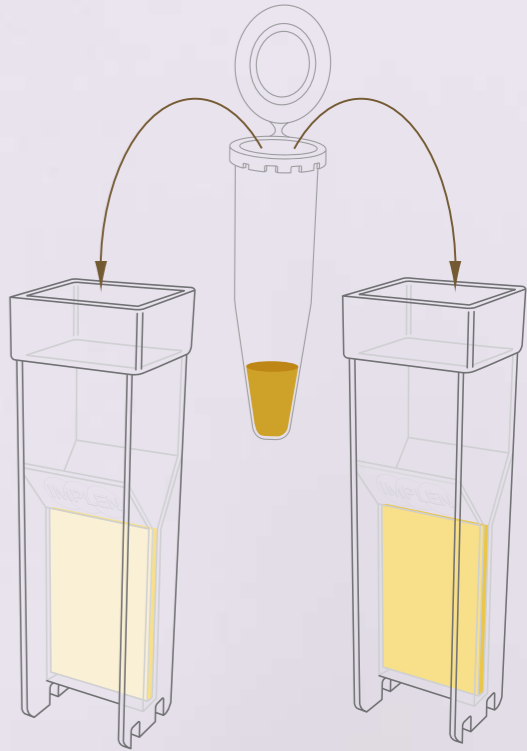
**OD600 Application**



**Protein Application**



**Virtual Dilution with DiluCell™**



DiluCell™ 20

DiluCell™ 10