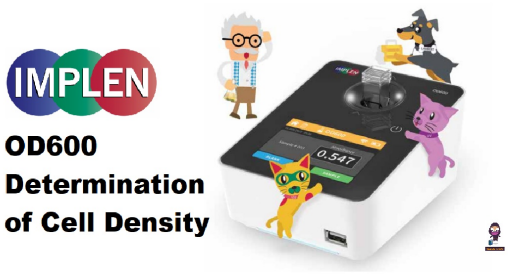


IMPLEN OD600 Determination of Cell Density User Guide

Contents

IMPLEN OD600 Determination of Cell Density

Product Specifications

- **Power Switch**: Compatible with gloves
- Wifi & Battery Status
- Touch-screen
- Settings available
- USB A Port and USB C Port
- Ethernet connectivity

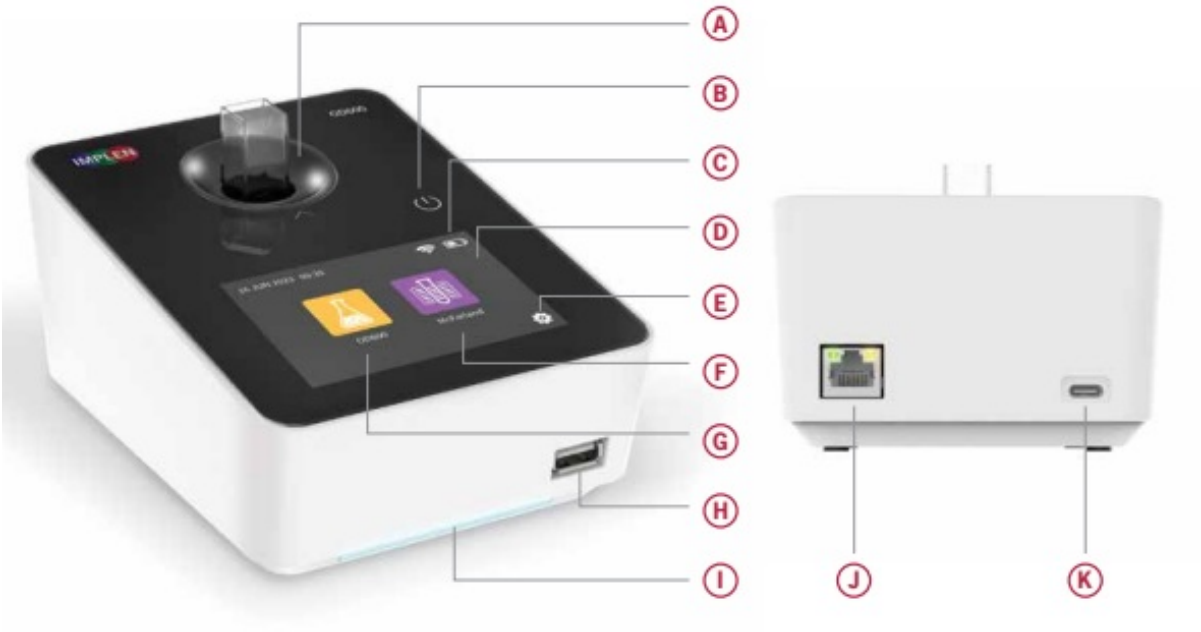
Product Usage Instructions

1. Connect the device to power.
2. Turn on the device by pressing the Power Button.
3. Select a method (OD600 or McFarland).
4. Place the reference (blank) or sample into the sample compartment.
5. Ensure correct alignment of cuvettes as indicated by device arrows. The optical height is 8.5 mm.
6. Press the blank/sample button.
7. The sample’s OD is shown in absorbance units (Abs) or McFarland units (MFU).
8. The default McFarland tube type is 16 mm with a preprogrammed standard curve; no new calibration needed.
9. For detailed information on McFarland Standard Curve calibration, refer to the manual.
10. Export your data using the Sample-List function.

Quick Start Guide

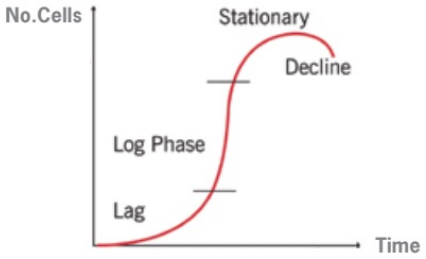
The Implen OD600 is a user-friendly device for measuring sample optical density at ~600 nm, ideal for various applications including cell growth rates and McFarland turbidity measurements.

Overview

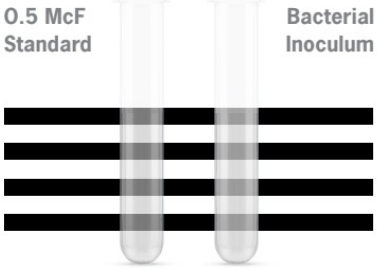

A
B
C
D
E
F
G
H
I
J
K

#	English
A	Sample holder
B	Power Switch
C	Wifi & Battery Status
D	Glove-Compat- ible Touch- screen
E	Settings
F	McFarland App
G	OD600 App
H	USB A Port
I	Ambient light
J	Ethernet
K	USB C Port

OD600
Application



McFarland
Application



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9. Export your data using the Sample List function.

1 - 5

6 - 8

9

Compatible Sample Containers

Container Type	Path Length	Minimum Volume	Virtual Dilution	Adapter
DiluCell™ 10	0.9 mm	300 µl	1:11	–
Macro Cuvette	10 mm	1 ml	–	–
Semi-micro Cuvette	10 mm	0.5 ml	–	–
10 mm Tubes	N/A*	0.9 ml	–	–
12 mm Tubes	N/A*	1.1 ml	–	–
16 mm Tubes	N/A*	2.2 ml	–	–
18 mm Tubes	N/A*	2.2 ml	–	–

*Depends on tube being used.

DiluCell™ 10
Automatic sample
dilution of factor 10

For detailed information, refer to the User Manual which you can access via the QR-code or be found at: https://www.implen.de/downloads/

Frequently Asked Questions

Q: How do I calibrate the McFarland Standard Curve?
A: Detailed instructions for McFarland Standard Curve calibration can be found in the user manual.

Q: What are the compatible sample containers for the product?
A: The compatible sample containers include DiluCellTM with various path lengths and cuvette sizes. Please refer to the specifications for more details.

Q: Where can I find the user manual for more information?
A: You can access the user manual via the provided QR code or through this link: User Manual Download

Documents / Resources

	IMPLEN OD600 Determination of Cell Density [pdf] User Guide OD600 Determination of Cell Density, OD600, Determination of Cell Density, of Cell Density, Cell Density, Density

References

- User Manual