



Implen OD600® Quick Start Guide



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OD600 Nano Photo Meter

The Implen OD600®

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.



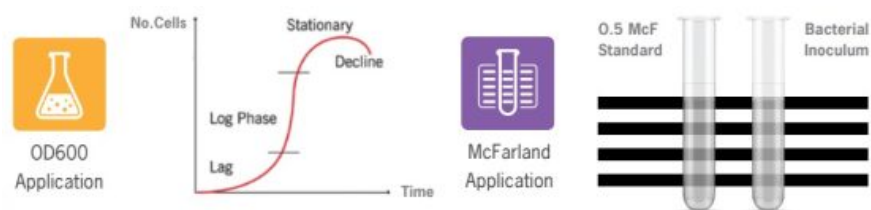
<https://qrs.ly/5fe4hhz>

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/>

Overview



<p>A Sample holder</p> <p>B Power Switch</p> <p>C Wi-Fi® & Battery Status</p> <p>D Glove-Compatible Touchscreen</p> <p>E Settings</p> <p>F McFarland App</p>	<p>G OD600 App</p> <p>H USB A Port</p> <p>I Ambient light</p> <p>J Ethernet</p> <p>K USB C Port</p>
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Instructions:

1. Connect the device to power.
2. Turn on the device (press Power Button).
3. Select a method (OD600 or McFarland).
4. Place reference (blank) or sample into sample compartment.
5. Ensure correct alignment of cuvettes as indicated by device arrows. Optical height is 8.5 mm.
6. Press blank/sample button.
7. Sample's OD is shown in absorbance units (Abs) or McFarland units (MFU).
8. Default McFarland tube type is 16 mm with preprogrammed standard curve; no new calibration needed. Further details about McFarland Standard Curve calibration can be found in the manual.
9. Export your data using the Sample-List function.



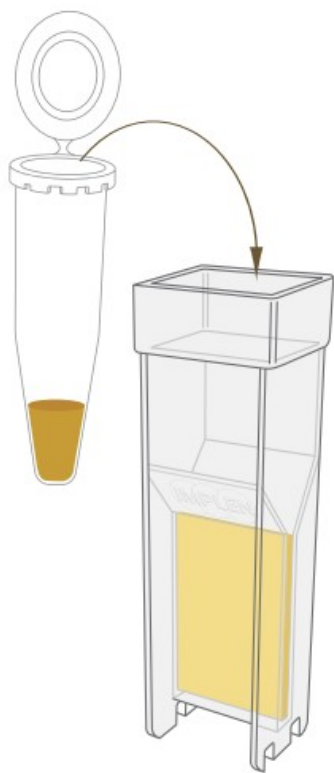
Compatible Sample Containers



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



Documents / Resources

	IMPLEN OD600 Nano Photo Meter [pdf] User Guide OD600, OD600 Nano Photo Meter, OD600, Nano Photo Meter, Photo Meter, Meter
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References

- [User Manual](#)

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