

# Bacterial Turbidity Meter

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Bacterial Turbidity Meter is designed for standardized evaluation of bacterial suspensions using the McFarland turbidity scale. It uses barium sulfate (BaSO<sub>4</sub>) McFarland turbidity standards for calibration and bacterial suspension measurement. It provides a convenient solution for laboratories requiring consistent bacterial suspension preparation and assessment.

Features:

- Microcomputer-controlled operation with a backlit LCD for comfortable reading
- Average measurement mode for obtaining reliable results efficiently
- Simple operation and compact design for routine laboratory testing
- High-precision optical path and unique positioning structure for improved measurement repeatability
- Low-drift circuit design and a stable, long-life light source for dependable operation
- Stores up to 20 historical measurement records, retained after power loss
- Supplied with sample bottles for immediate testing and routine use

Applications:

Suitable for bacterial suspension preparation, microbiological testing, culture standardization, and routine laboratory analysis in medical institutions, biological product facilities, quarantine agencies, and research laboratories.

Specifications:

|                      |                                    |
|----------------------|------------------------------------|
| Model no.            | LD-LBCTM-A10                       |
| Type                 | Benchtop                           |
| Zero Wander          | ±0.5% F.S.                         |
| Repeatability        | ≤0.5%                              |
| Measuring Range      | 0-6 MCF                            |
| Minimum Indication   | 0.001 MCF                          |
| Error of Indication  | ±6% (±5% F.S.)                     |
| McFarland Conversion | 1 MCF = 3 × 10 <sup>8</sup> CFU/mL |

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Specifications:

|                      |                                    |
|----------------------|------------------------------------|
| Model no.            | LD-LBCTM-A11                       |
| Type                 | Portable                           |
| Zero Wander          | ±0.5% F.S.                         |
| Repeatability        | ≤0.5%                              |
| Measuring Range      | 0-6 MCF                            |
| Minimum Indication   | 0.001 MCF                          |
| Error of Indication  | ±6% (±5% F.S.)                     |
| McFarland Conversion | 1 MCF = 3 × 10 <sup>8</sup> CFU/mL |