# Certificate of Analysis

**Certificate No:** BMDX/COA/P/416/2026

**Product Name:** Mueller Hinton II Agar
**Product Code:** FP90M2001
**Lot No:** 260427001
**Expiry date:** 03/08/2026
**Date of Analysis:** 27/04/2026 – 30/04/2026
**Parameter Requirement:** Physical, Chemical and Microbiological Analysis

| Physical & Chemical Test | Specification | Results |
|---|---|---|
| Color | Light to medium, yellow to tan, trace hazy to slightly hazy | Passed |
| pH | 7.30 ± 0.1 | Passed |
| Hardness | Semi-solid with a firm, smooth, & bounces surface | Passed |
| Pour Depth/Thickness | 4.00-4.50mm | Passed |

| Microbiological Test | Antimicrobial Agent | Acceptable range (mm or (µg/mL) | Zone Diameter (mm) or MIC (µg/mL) |
|---|---|---|---|
| ***Escherichia coli* ATCC® 25922** | Gentamicin 10 µg | 19-26 | 25 |
| | Amikacin 30 µg | 19-26 | 24 |
| | Ampicillin 10 µg | 15-22 | 19 |
| | Ceftazidime 30 µg | 25-32 | 27 |
| | Tigecycline 15 µg | 20-27 | 24 |
| ***Pseudomonas aeruginosa* ATCC® 27853** | Ceftazidime 30 µg | 22-29 | 22 |
| | Amikacin 30 µg | 20-26 | 25 |
| | Cefepime 30 µg | 25-31 | 26 |
| | Imipenem 10 µg | 20-28 | 24 |
| | Ciprofloxacin 5 µg | 25-33 | 26 |
| | Gentamicin 10 µg | 17-23 | 21 |
| | Colistin | 0.25-2 | 2.0 |
| ***Enterococcus faecalis* ATCC® 29212** | Vancomycin 5 µg | 10-16 | 14 |
| | Trimethoprim-sulfamethoxazole 1.25/23.75 µg | ≥ 20 | 26 |
| | Nitrofurantoin 300 µg | 18-24 | 22 |
| | Penicillin | 1-4 | 2 |
| ***Staphylococcus aureus* ATCC® 25923** | Penicillin 10 units | 26-37 | 30 |
| | Gentamicin 10 µg | 19-27 | 25 |
| | Erythromycin 15 µg | 22-30 | 24 |
| | Clindamycin 2 µg | 24-30 | 24 |
| | Trimethoprim-sulfamethoxazole 1.25/23.75 µg | 24-32 | 26 |
| ***Staphylococcus aureus* ATCC® 29213** | Vancomycin | 0.5-2 | 0.75 |
| **Uninoculated plate** | No growth | - | - |

**Test Statement:**

1. Incubation at 35 ± 2°C for 24 hours in ambient air.
2. Antibiotic susceptibility tests are performed in accordance with, and meet the acceptance limits of, the current ISO/TS 16782. Performance is assessed using CLSI methodology.

**Sample statement:**

1. Culture media were prepared according to procedure SP-PD-BMDX-02 Production Process Control and SP-PD-BMDX-11 Product Specification.
2. Culture media were kept at temperature conditions 2-8°C.
3. QC Organisms were prepared and followed according to procedure SP-QC-BMDX-07 Quality Control Testing and SP-PD-BMDX-11 Product Specification.

**Result:**

The information given is believed to be correct, all results reported in this certificate relate only to the product in this certificate of analysis according to SP-PD-BMDX-11 Product Specification.

**Sign by:**

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**QC Executive**
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**Date:** 30/04/2026