

Certificate of Analysis

Certificate No: BMDX/COA/P/220/2025

Product Name: Mueller Hinton II Agar

Product Code: FP90M2001

Lot No: 251126002

Date of Analysis: 27/11/2025 – 28/11/2025

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)
<i>Escherichia coli</i> ATCC® 25922	Gentamicin 10 µg Amikacin 30 µg Ampicillin 10 µg Ceftazidime 30 µg Tigecycline 15 µg	19-26 19-26 15-22 25-32 20-27	24 24 20 30 26
<i>Pseudomonas aeruginosa</i> ATCC® 27853	Ceftazidime 30 µg Amikacin 30 µg Cefepime 30 µg Imipenem 10 µg Ciprofloxacin 5 µg Gentamicin 10 µg Colistin	22-29 20-26 25-31 20-28 25-33 17-23 0.25-2	23 26 30 25 31 23 0.75
<i>Enterococcus faecalis</i> ATCC® 29212	Ampicillin 10 µg Trimethoprim-sulfamethoxazole 1.25/23.75 µg Nitrofurantoin 300 µg Penicillin	15-21 ≥ 20 18-24 1-4	19 30 24 2
<i>Staphylococcus aureus</i> ATCC® 25923	Penicillin 10 units Gentamicin 10 µg Erythromycin 15 µg Clindamycin 2 µg Trimethoprim-sulfamethoxazole 1.25/23.75 µg Vancomycin	26-37 19-27 22-30 24-30 24-32 0.5-2	33 26 27 26 29 0.75
<i>Staphylococcus aureus</i> ATCC® 29213	No growth	-	-
Uninoculated plate		-	-

Test Statement:

1. Incubation at $35 \pm 2^{\circ}\text{C}$ 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 $2\text{--}8^{\circ}\text{C}$.
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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