



Certificate of Analysis

Certificate No: BMDX/COA/P/137/2025

Product Name: Mueller Hinton II Agar

Product Code: FP90M2001

Lot No: 251002004

Expiry date: 08/01/2026

Date of Analysis: 02/10/2025 – 03/10/2025

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	19-26	23
	Amikacin 30 µg	19-26	22
	Ampicillin 10 µg	15-22	17
	Ceftazidime 30 µg	25-32	27
	Tigecycline 15 µg	20-27	25
<i>Pseudomonas aeruginosa</i> ATCC® 27853	Ceftazidime 30 µg	22-29	26
	Amikacin 30 µg	20-26	25
	Cefepime 30 µg	25-31	29
	Imipenem 10 µg	20-28	23
	Ciprofloxacin 5 µg	25-33	27
	Gentamicin 10 µg	17-23	23
	Colistin	0.25-2	2.0
<i>Enterococcus faecalis</i> ATCC® 29212	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	≥ 20	27
	Nitrofurantoin 300 µg	18-24	21
	Penicillin	1-4	2.0
<i>Staphylococcus aureus</i> ATCC® 25923	Penicillin 10 units	26-37	33
	Gentamicin 10 µg	19-27	25
	Erythromycin 15 µg	22-30	26
	Clindamycin 2 µg	24-30	25
	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	24-32	27
<i>Staphylococcus aureus</i> ATCC® 29213	Vancomycin	0.5-2	0.50
Uninoculated plate	No growth	-	-

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 $2-8^{\circ}\text{C}$.
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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