Certificate of Analysis

Certificate No: BMDX/COA/P/240/2025

Product Name: Mueller Hinton II Agar
Product Code: FP90M2001
Lot No: 251209001
Expiry date: 17/03/2026
Date of Analysis: 11/12/2025 – 12/12/2025
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)
Escherichia coli **ATCC® 25922**	Gentamicin 10 µg	19-26	22
	Amikacin 30 µg	19-26	22
	Ampicillin 10 µg	15-22	16
	Ceftazidime 30 µg	25-32	28
	Tigecycline 15 µg	20-27	26
Pseudomonas aeruginosa **ATCC® 27853**	Ceftazidime 30 µg	22-29	25
	Amikacin 30 µg	20-26	24
	Cefepime 30 µg	25-31	27
	Imipenem 10 µg	20-28	22
	Ciprofloxacin 5 µg	25-33	26
	Gentamicin 10 µg	17-23	21
	Colistin	0.25-2	2.0
Enterococcus faecalis **ATCC® 29212**	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	≥ 20	25
	Nitrofurantoin 300 µg	18-24	22
	Penicillin	1-4	3.0
Staphylococcus aureus **ATCC® 25923**	Penicillin 10 units	26-37	30
	Gentamicin 10 µg	19-27	23
	Erythromycin 15 µg	22-30	24
	Clindamycin 2 µg	24-30	25
	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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Date: 15/12/2025