



Certificate of Analysis

Certificate No: BMDX/COA/P/015/2025

Product Name: Mueller Hinton II Agar

Product Code: FP90M2001

Lot No: 250313001

Date of Analysis: 13/03/2025 – 19/03/2025

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

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.
4. * Pink Precipitation/Decoloration observed, QC still proceed to check the media performance.

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:**Fairuz Ayuni Binti Abdul Halim****QC Executive**

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