

Certificate of Analysis

Certificate No: BMDX/COA/P/259/2025

Product Name: Mueller Hinton II Agar

Product Code: FP90M2001

Lot No: 251222005

Expiry date: 30/03/2026

Date of Analysis: 22/12/2025 – 24/12/2025

Parameter Requirement: Physical, Chemical and Microbiological Analysis

Physical & Chemical Test	Specification	Results	
Microbiological Test	Antimicrobial Agent	Acceptable range (mm or $\mu\text{g/mL}$)	Zone Diameter (mm) or MIC ($\mu\text{g/mL}$)
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
Escherichia coli ATCC® 25922			
	Gentamicin 10 μg	19-26	26
	Amikacin 30 μg	19-26	24
	Ampicillin 10 μg	15-22	19
	Ceftazidime 30 μg	25-32	28
	Tigecycline 15 μg	20-27	25
Pseudomonas aeruginosa ATCC® 27853			
	Ceftazidime 30 μg	22-29	23
	Amikacin 30 μg	20-26	25
	Cefepime 30 μg	25-31	26
	Imipenem 10 μg	20-28	23
	Ciprofloxacin 5 μg	25-33	28
	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	21
	Penicillin	1-4	2.0
Staphylococcus aureus ATCC® 25923			
	Penicillin 10 units	26-37	34
	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	30
Staphylococcus aureus ATCC® 29213	Vancomycin	0.5-2	0.75
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 $2\text{--}8^{\circ}\text{C}$.
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:



Fairuz Ayuni Binti Abdul Halim

QC Executive

BSc. in Microbiology with Honours

Universiti Putra Malaysia



Biomed MDX Sdn Bhd
8, Jalan IAN 3, Industri Angkasa Nuri,
76100 Durian Tunggal, Melaka, Malaysia

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