Biomed Global

Certificate of Analysis

Certificate No: BMDX/COA/P/174/2025

Product Name: Mueller Hinton II Agar
Product Code: FP90M2001
Lot No: 251028003
Expiry date: 03/02/2026
Date of Analysis: 28/10/2025 – 29/10/2025
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)
Escherichia coli ATCC® 25922	Gentamicin 10 µg	19-26	23
	Amikacin 30 µg	19-26	23
	Ampicillin 10 µg	15-22	18
	Ceftazidime 30 µg	25-32	28
	Tigecycline 15 µg	20-27	24
Pseudomonas aeruginosa ATCC® 27853	Ceftazidime 30 µg	22-29	24
	Amikacin 30 µg	20-26	24
	Cefepime 30 µg	25-31	27
	Imipenem 10 µg	20-28	22
	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	24
	Nitrofurantoin 300 µg	18-24	22
	Penicillin	1-4	3.0
Staphylococcus aureus ATCC® 25923	Penicillin 10 units	26-37	32
	Gentamicin 10 µg	19-27	24
	Erythromycin 15 µg	22-30	24
	Clindamycin 2 µg	24-30	25
	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	24-32	27
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:

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

Date: 30/10/2025