

## Certificate of Analysis

Certificate No: BMDX/COA/P/394/2026

**Product Name:** Mueller Hinton II Agar  
**Product Code:** FP90M2001  
**Lot No:** 260413001  
**Expiry date:** 20/07/2026  
**Date of Analysis:** 13/04/2026 – 15/04/2026  
**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)
<b><i>Escherichia coli</i> ATCC® 25922</b>	Gentamicin 10 µg	19-26	24
	Amikacin 30 µg	19-26	25
	Ampicillin 10 µg	15-22	20
	Ceftazidime 30 µg	25-32	30
	Tigecycline 15 µg	20-27	26
<b><i>Pseudomonas aeruginosa</i> ATCC® 27853</b>	Ceftazidime 30 µg	22-29	24
	Amikacin 30 µg	20-26	25
	Cefepime 30 µg	25-31	28
	Imipenem 10 µg	20-28	25
	Ciprofloxacin 5 µg	25-33	28
	Gentamicin 10 µg	17-23	23
	Colistin	0.25-2	2.0
<b><i>Enterococcus faecalis</i> ATCC® 29212</b>	Vancomycin 5 µg	10-16	14
	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	≥ 20	27
	Nitrofurantoin 300 µg	18-24	22
	Penicillin	1-4	4
<b><i>Staphylococcus aureus</i> ATCC® 25923</b>	Penicillin 10 units	26-37	32
	Gentamicin 10 µg	19-27	26
	Erythromycin 15 µg	22-30	28
	Clindamycin 2 µg	24-30	26
	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	24-32	28
<b><i>Staphylococcus aureus</i> ATCC® 29213</b>	Vancomycin	0.5-2	0.50
<b>Uninoculated plate</b>	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:**

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:** 16/04/2026

