

## Certificate of Analysis

Certificate No: BMDX/COA/P/260/2025

**Product Name:** Mueller Hinton with 5% Sheep Blood

**Product Code:** FP90M2021

**Lot No:** 251222006

**Expiry date:** 23/03/2026

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

**Parameter Requirement:** Physical, Chemical and Microbiological Analysis

Physical & Chemical Test	Specification	Results
Color	Red	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)
<i>Streptococcus pneumoniae</i> ATCC®49619	Erythromycin 15 µg	25-30	30
	Clindamycin 2 µg	19-25	24
	Trimethoprim-sulfamethoxazole 1.25/23.75 µg	20-28	22
	Penicillin	0.25-1	0.50
Uninoculated late	No growth	-	-

### Sample statement:

- Culture media were prepared according to procedure SP-PD-BMDX-02 Production Process Control and SP-PD-BMDX-11 Product Specification.
- Culture media were kept at temperature conditions 2-8°C.
- 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

**Date:** 24/12/2025

