

## 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 $\pm$ 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 $\mu\text{g}/\text{mL}$ )	Zone Diameter (mm) or MIC ( $\mu\text{g}/\text{mL}$ )
<i>Streptococcus pneumoniae</i> ATCC <sup>®</sup> 49619	Erythromycin 15 $\mu\text{g}$ Clindamycin 2 $\mu\text{g}$ Trimethoprim-sulfamethoxazole 1.25/23.75 $\mu\text{g}$ Penicillin	25-30 19-25 20-28 0.25-1	30 24 22 0.50
Uninoculated late	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.

**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



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