

## Certificate of Analysis

Certificate No: BMDX/COA/P/096/2025

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

**Product Code:** FP90M2022

**Lot No:** 250821002

**Expiry date:** 20/11/2025

**Date of Analysis:** 26/08/2025 – 04/09/2025

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

| Physical & Chemical Test | Specification                                     | Results |
|--------------------------|---------------------------------------------------|---------|
| Color                    | Red                                               | Passed  |
| pH                       | 7.40 ± 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<br>(mm or (µg/mL) | Zone Diameter (mm)<br>or MIC (µg/mL) |
|------------------------------------------------|------------------------------------------------|------------------------------------|--------------------------------------|
| <i>Streptococcus pneumoniae</i><br>ATCC® 49619 | Erythromycin 15 µg                             | 25-30                              | 26                                   |
|                                                | Clindamycin 2 µg                               | 19-25                              | 20                                   |
|                                                | Trimethoprim-sulfamethoxazole<br>1.25/23.75 µg | 20-28                              | 20                                   |
|                                                | Penicillin                                     | 0.25-1                             | 0.38                                 |
|                                                |                                                |                                    |                                      |
| 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

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**Date:** 04/09/2025

