

## Certificate of Analysis

Certificate No: BMDX/COA/P/248/2025

**Product Name:** MacConkey Agar

**Product Code:** FP90M1001

**Lot No:** 251211003

**Expiry date:** 19/03/2026

**Date of Analysis:** 11/12/2025 – 12/12/2025

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

Physical & Chemical Test	Specification	Results
Color	Medium-dark, rose-tan, trace of slight hazy	Passed
pH	7.10 ± 0.2	Passed
Hardness	Semi-solid with a firm, smooth, & bounces surface	Passed
Pour Depth/Thickness	3.00-3.50mm	Passed
Microbiological Test	Specification	Results
<i>Escherichia coli</i> ATCC® 25922	Pink to red growth	Passed
<i>Proteus mirabilis</i> ATCC® 12453	Growth Colorless Inhibition of swarming	Passed
<i>Salmonella choleraesuis</i> subsp. <i>cholerasuis</i> serotype	Growth. Colorless	Passed
<i>Typhimurium</i> ATCC® 14028		
<i>Staphylococcus aureus</i> ATCC® 25923	No growth	Passed
<i>Enterococcus faecalis</i> ATCC® 29212	No growth	Passed
Uninoculated plate	No growth	Passed

**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:** 16/12/2025



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