

## Certificate of Analysis

Certificate No: BMDX/COA/P/238/2025

**Product Name:** Columbia Agar with 5% Sheep Blood / Chocolate Agar

**Product Code:** SP90C2041

**Lot No:** 251208005

**Expiry date:** 09/03/2026

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

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

Physical & Chemical Test	Specification	Results
Color	Columbia Agar with 5% Sheep Blood: Cherry red, opaque, no hemolysis	Passed
pH	Chocolate Agar: Dark Brown Columbia Agar with 5% Sheep Blood: $7.3 \pm 0.2$ Chocolate Agar: $7.2 \pm 0.2$	Passed Passed Passed
Hardness	Semi-solid with a firm, smooth, & bounces surface	Passed
Pour Depth/Thickness	Columbia Agar with 5% Sheep Blood: 3.00mm to 3.50mm Chocolate Agar: 3.00mm to 3.50mm	Passed Passed
Microbiological Test	Specification	Results
<b>Columbia Agar with 5% Sheep Blood:</b>		
<i>E. coli</i> ATCC® 25922	Growth at 24 hours, beta hemolysis	Passed
<i>E. faecalis</i> ATCC® 29212	Growth at 24 hours, gamma hemolysis	Passed
<i>S. pyogenes</i> ATCC® 19615	Growth at 24 hours, beta hemolysis	Passed
<i>S. pneumoniae</i> ATCC® 6305	Growth at 24 hours, alpha hemolysis	Passed
<i>C. albicans</i> ATCC® 60193	Growth at 24 hours, white colonies, no hemolysis	Passed
Uninoculated plate	No growth	Passed
<b>Chocolate Agar:</b>		
<i>H. influenzae</i> ATCC® 10211	Growth	Passed
<i>N. gonorrhoeae</i> ATCC® 17802	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.



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**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:** 15/12/2025



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