

## Certificate of Analysis

Certificate No: BMDX/COA/P/225/2025

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

**Product Code:** SP90C1021

**Lot No:** 251128001

**Expired Date:** 27/02/2026

**Date of Analysis:** 02/12/2025 – 05/12/2025

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

Physical & Chemical Test	Specification	Results
Color	Columbia Agar with 5% Sheep Blood: Cherry red, opaque, no hemolysis SDA: Pale to medium, yellow to tan, clear to slightly hazy.	Passed
pH	Columbia Agar with 5% Sheep Blood: $7.3 \pm 0.2$ SDA: $5.6 \pm 0.2$	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 SDA: 4.00mm to 4.50mm	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® 9533	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, no hemolysis	Passed
<b>Uninoculated plate</b>	No growth	Passed
<b>SDA:</b>		
<i>C. albicans</i> ATCC® 60193	Growth. Straw colonies	Passed
<i>T. mentagrophytes</i> ATCC® 9533	Growth. Pale straw colored colonies.	Passed
<b>Uninoculated plate</b>	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 control 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:** 05/12/2025



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