

Certificate of Analysis

Certificate No: BMDX/COA/P/288/2026

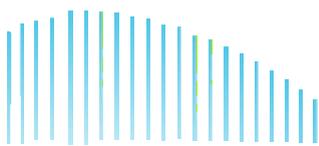
Product Name: TCBS/ XLD Agar
Product Code: SP90T2011
Lot No: 260114001
Expiry Date: 11/03/2026
Date of Analysis: 14/01/2026 – 16/01/2026
Parameter Requirement: Physical, Chemical and Microbiological Analysis

Physical & Chemical Test	Specification	Results
Color	TCBS: Green slightly opalescent colored gel	Passed
	XLD: Red slightly opalescent colored gel	Passed
pH	TCBS: 8.6 ± 0.2	Passed
	XLD: 7.4 ± 0.2	Passed
Hardness	Semi-solid with a firm, smooth & bounces surface	Passed
Pour Depth/Thickness	TCBS: 3.00-3.50mm	Passed
	XLD: 3.00-3.50mm	Passed

Microbiological Test	Specification	Results
TCBS Agar		
<i>Vibrio alginolyticus</i> ATCC® 17749	Growth. Yellow colonies	Passed
<i>Vibrio parahaemolyticus</i> ATCC® 17802	Growth. Blue Green colonies	Passed
<i>Escherichia coli</i> ATCC® 25922	No Growth	Passed
Uninoculated plate	No Growth	Passed
XLD Agar		
<i>Salmonella enterica subsp. enterica serotype Typhimurium</i> ATCC® 14028	Red colonies, black centers	Passed
<i>Shigella flexneri</i> ATCC® 12022	Irregular red colonies	Passed
<i>Escherichia coli</i> ATCC® 25922	No growth or yellow colonies	Passed
<i>Enterococcus faecalis</i> ATCC® 29212	Inhibition partial to complete	Passed
Uninoculated plate	No growth	Passed

Sample statement:

- Culture media were prepared according to procedure SP-PD-BMDX-02 Production Process Control and SP-PD-BMDX-11 Product Specification.
- Culture media were kept at temperature conditions 2-8°C.
- 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: 16/01/2026