

## Certificate of Analysis

Certificate No: BMDX/COA/P/226/2025

**Product Name:** TCBS Agar  
**Product Code:** FP90T2001  
**Lot No:** 251202001  
**Expiry date:** 10/03/2026  
**Date of Analysis:** 03/12/2025 – 06/12/2025  
**Parameter Requirement:** Physical, Chemical and Microbiological Analysis

Physical & Chemical Test	Specification	Results
Color	Green, slightly opalescent	Passed
pH	8.6 ± 0.2	Passed
Hardness	Semi-solid with a firm, smooth, & bounces surface	Passed
Pour Depth/Thickness	4.00-4.50mm	Passed

Microbiological Test	Specification	Results
<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

### 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:** 06/12/2025

