

# Product Specification Sheet

## *Chocolate Agar with Vitox*

Intended Usage: A highly nutritious medium for the isolation and cultivation of fastidious microorganisms.

For professional use only.

|                |                          |
|----------------|--------------------------|
| <b>PO5090A</b> |                          |
| Version: 07    | Revision Date: June 2022 |

## Thermo Scientific™ Chocolate Agar with Vitox

|                 |   |
|-----------------|---|
| Form of Product | Poured plate  |
| Storage         | 2 – 12°C, dark  |
| Filling weight  | 17 g ± 5 %  |
| Packaging       | 10 plates wrapped in film   |
| pH              | 7.2 ± 0.2   |
| Appearance      | Fawn brown, opaque  |
| Shelf life      | 9 weeks   |
| Intended Usage  | A highly nutritious medium for the isolation and cultivation of fastidious microorganisms.<br>For professional use only.    |
| Technique       | Depends on the different methods.<br>For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM0367 / SR0090. |

| Typical formulation*           | g/l     |
|--------------------------------|---------|
| Special peptone                | 15.0    |
| Corn starch                    | 1.0     |
| Sodium chloride                | 5.0     |
| Dipotassium hydrogen phosphate | 4.0     |
| Potassium dihydrogen phosphate | 1.0     |
| Glucose                        | 2.0     |
| Haemoglobin                    | 10.0    |
| Vitamin B <sub>12</sub>        | 0.0002  |
| L-Glutamine                    | 0.2     |
| Adenine                        | 0.02    |
| Guanine                        | 0.0006  |
| p-Aminobenzoic acid            | 0.00026 |
| L-Cystine                      | 0.022   |
| NAD (Coenzyme 1)               | 0.005   |
| Coccarboxylase                 | 0.002   |
| Ferric nitrate                 | 0.0004  |
| Thiamine                       | 0.00006 |
| Cysteine                       | 0.518   |
| Agar                           | 12.0    |

\*Adjusted as required to meet performance standards.

## Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check  
 ≥ 72 h @ 20 – 25 °C, aerobic  
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Microbiological control

| Positive Controls   | Growth                             |
|---|------------------------------------|
| <b>Inoculum 50 – 120 colony forming units (cfu), quantitative</b>   |                                    |
| <b>Incubation conditions: 40 – 48 h @ 36 ± 1°C, enhanced CO<sub>2</sub> atmosphere</b>                            |                                    |
| <i>Haemophilus influenzae</i> ATCC®10211™   | 3 – 5 mm, cream shiny colonies.    |
| Colony counts shall be ≥ 70% of the control medium CHOC+VITOX   |                                    |
| <b>Inoculum 10<sup>3</sup> – 10<sup>4</sup> cfu, qualitative, control medium for <i>Neisseria gonorrhoeae</i></b> |                                    |
| <b>CHOC+VITOX, for <i>Staphylococcus epidermidis</i> COL+SB</b>   |                                    |
| <b>Incubation conditions: 40 – 48 h @ 36 ± 1°C, enhanced CO<sub>2</sub> atmosphere</b>                            |                                    |
| <i>Neisseria gonorrhoeae</i> ATCC®49226™  | Good growth, cream shiny colonies. |
| <i>Staphylococcus epidermidis</i> ATCC®12228™   | Good growth, white colonies.       |

ATCC® registered trademark of American Type Culture Collection.