

Product Specification Sheet

Chocolate Agar with Vitox

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

For professional use only.

PO54021	
Version: 07	Revision Date: April 2020

Thermo Scientific™ Chocolate Agar with Vitox

Form of Product	Poured 9 x 9 cm squared plate
Storage	2 – 12°C
Filling weight	28 ± 0.5 g
Packaging	10 plates wrapped in film
pH	7.2 ± 0.1
Appearance	Fawn brown, opaque
Shelf life	14 weeks
Intended Usage	A highly nutritious medium for cultivation of fastidious microorganisms. For professional use only.
Technique	Depends on the different methods.

Typical formulation*	g/l
Proteose Peptone Number 3	15.0
Corn starch	1.0
Dipotassium phosphate	4.0
Potassium phosphate	1.0
Sodium chloride	5.0
Haemoglobin	10.0
Adenine	0.01
<i>p</i> -Aminobenzoic acid	0.00013
L-Cysteine hydrochloride	0.259
L-Cystine	0.011
NAD	0.0025
Ferric nitrate	0.0002
L-Glutamine	0.1
Guanine hydrochloride	0.0003
Thiamine hydrochloride	0.00003
Vitamin B ₁₂	0.0001
Dextrose	1.0
Thiamine pyrophosphate	0.001
Agar	17.0

*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
Inoculum 50 – 120 colony forming units (cfu) Incubation conditions: 18 – 24 h @ 36 ± 1°C, enhanced CO ₂ atmosphere	
<i>Haemophilus influenzae</i> ATCC®10211™	2 mm, white shiny colonies.
<i>Neisseria meningitidis</i> ATCC®13090™	< 2 mm, cream colonies.
Colony counts shall be ≥ 50% of the control medium (Chocolate Agar with Vitox).	

4. Physical control of a dry and plain media surface and of homogeneity.
Application of six 20 µl drops of water placed 1.5 cm from one plate edge with a distance of 1.3 cm from each other.
 - The drops must stay distinct for more than 2 seconds.
 - Control of straight drop trace in vertical.
 - The drops should be absorbed by the medium after 2 minutes

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