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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
VITOX SR0090A		

VITOX**SR0090A****Formula**

Vial contents (each vial is sufficient for 500ml of medium)

SR0090B Vitox Rehydration Fluid

Distilled water	10.0 ml
Glucose	1.0 g

SR0090C Vitox

Vitamin B ₁₂	0.1 mg
Adenine	10.0 mg
L-Glutamine	100.0 mg
Guanine	0.3 mg
p-Aminobenzoic acid	0.13 mg
L-Cystine	11.0 mg
NAD (Coenzyme 1)	2.5 mg
Coccarboxylase	1.0 mg
Iron (III) nitrate	0.2 mg
Thiamine hydrochloride	0.03 mg
Cysteine hydrochloride	259.0 mg

Description

A chemically-defined growth supplement recommended for general enrichment of culture media.

Directions


Aseptically add 1 vial of Vitox Rehydration Fluid (SR0090B) to 1 vial of Vitox (SR0090C). Mix gently to dissolve. Aseptically add the vial contents to 1 litre (1% v/v) or 500ml (2% v/v) of sterile medium of choice cooled to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Pink pellet
 Rehydration fluid - colourless
 Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: GC Agar Base with the addition of Vitox and Soluble Haemoglobin

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Tested in GC Agar Base CM0367 with the addition of Soluble Haemoglobin Powder LP0053

Reactions after incubation at 37°C for 48 hours in 10% CO₂ atmosphere

Medium is challenged with 10-100 colony-forming units

<i>Neisseria gonorrhoeae</i>	ATCC®43069	0.5-3mm straw/brown colonies
<i>Neisseria gonorrhoeae</i>	ATCC®19424	0.5-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13077	0.5-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13090	0.5-3mm straw/brown colonies
<i>Haemophilus influenzae</i>	ATCC®10211	0.5-5mm straw/brown colonies

A satisfactory result is represented by recovery of equal to or greater than 70% of the control medium.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Test	Removal of 24 hour results	Change control	MOC-2024-0924