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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
VITOX SR0090H		

VITOX

SR0090H

Formula

Vial contents (each vial is sufficient for 2 litres of medium)

SR0090J Vitox Rehydration Fluid

Distilled water	40.0 ml
Glucose	4.0 g

SR0090K Vitox

Vitamin B12	0.4 mg
Adenine	40.0 mg
L-Glutamine	400.0 mg
Guanine	1.2 mg
p-Aminobenzoic acid	0.52 mg
L-Cystine	44.0 mg
NAD (Coenzyme 1)	10.0 mg
Coccarboxylase	4.0 mg
Iron (III) nitrate	0.8 mg
Thiamine hydrochloride	0.12 mg
Cysteine hydrochloride	1036.0 mg

Description

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

Directions

Aseptically add 1 vial of Vitox Rehydration Fluid (SR0090J) to 1 vial of Vitox (SR0090K). Mix gently to dissolve. Aseptically add the vial contents to 4 litres (1% v/v) or 2 litres (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

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

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Reactions after incubation at 37°C for 24 hours in 10% CO₂ atmosphere


Medium is challenged with 10-100 colony-forming units

<i>Neisseria gonorrhoeae</i>	ATCC® 43069	Pinpoint-1mm straw/brown colonies
<i>Neisseria gonorrhoeae</i>	ATCC® 19424	Pinpoint-1mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC® 13077	Pinpoint-1mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC® 13090	Pinpoint-1mm straw/brown colonies
<i>Haemophilus influenzae</i>	ATCC® 10211	Pinpoint-1mm straw/brown colonies

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

<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
Descriptions	Removal of the word 'sterile'	Change control	MBD-2022-0351