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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
VANCOMYCIN SUPPLEMENT (5mg) SR0247E		

VANCOMYCIN SUPPLEMENT (5mg)

SR0247E

Formula

Per vial (each vial is sufficient to supplement 500ml of medium)

Vancomycin 5.0 mg

Description

A freeze-dried selective supplement for use with Cronobacter Screening Broth Base (CM1121) or mLST Broth Base (CM1133)

Directions

Aseptically add 2ml of sterile distilled water to one vial and mix gently. Aseptically add the contents to 500ml of sterile Cronobacter Screening Broth Base (CM1121) cooled to 50°C. Mix well and aseptically dispense into sterile containers.

Physical Characteristics

White pellet
Sterility - passes test

Microbiological Tests Using Optimum Inoculum Dilution


Reactions after incubation at 41 ± 0.5°C for 24 ± 2 hours

Tested in Cronobacter Screening Broth Base CM1121

Medium is challenged with 10-100 colony-forming units

<i>Cronobacter sakazakii</i>	ATCC®12868	Turbid growth, yellow/orange broth
<i>Cronobacter sakazakii</i>	ATCC®29004	Turbid growth, yellow/orange broth
<i>Escherichia coli</i>	ATCC®25922	Turbid growth, purple broth

A satisfactory result is represented by visible growth.

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Testing performed in accordance with ISO22964:2017

Reactions after aerobic incubation at 41.5 ± 1°C for 24 ± 2 hours. After incubation, subculture broths onto CCI Agar (CM1122) and incubate aerobically at 44 ± 1°C for 24 ± 2 hours.

Mixed Cultures

Inoculate 10ml quantities of medium to achieve 1 to 10 colony-forming units/1ml (cfu/ml) of *Cronobacter spp.* and >1E+03 cfu/ml of *Staphylococcus aureus*. Incubate broths at 41.5 ± 1°C for 24 ± 2 hours. After incubation, subculture onto CCI Agar (CM1122) and incubate plates under aerobic conditions at 44 ± 1°C for 24 ± 2 hours.

<i>Cronobacter sakazakii</i>	ATCC®29544	WDCM00214	1-3mm blue or blue/green colonies
+ <i>Staphylococcus aureus</i>	ATCC®6538	WDCM00032	No growth

<i>Cronobacter sakazakii</i>	ATCC®29544	WDCM00214	1-3mm blue or blue/green colonies
+ <i>Staphylococcus aureus</i>	ATCC®25923	WDCM00034	No growth

<i>Cronobacter muytjensii</i>	ATCC®51329	WDCM00213	1-3mm blue or blue/green colonies
+ <i>Staphylococcus aureus</i>	ATCC®6538	WDCM00032	No growth

<i>Cronobacter muytjensii</i>	ATCC®51329	WDCM00213	1-3mm blue or blue/green colonies
+ <i>Staphylococcus aureus</i>	ATCC®25923	WDCM00034	No growth


A satisfactory result is represented by turbid growth, yellow/orange broth and a recovery of >10 cfu of *Cronobacter spp.* on CCI Agar (CM1122).

Pure Cultures

Reactions after aerobic incubation at 41.5 ± 1°C for 24 ± 2 hours. After incubation, subculture broths onto Tryptone Soya Agar (CM0131) and incubate aerobically at 37 ± 2°C for 24 ± 2 hours.

Inoculate 10ml quantities of medium to achieve >1E+03 colony-forming units/1ml (cfu/ml) of *Staphylococcus aureus*. Incubate broths at 41.5 ± 1°C for 24 ± 2 hours. After incubation, subculture onto Tryptone Soya Agar (CM0131) and incubate plates under aerobic conditions at 37 ± 2°C for 24 ± 2 hours.

<i>Staphylococcus aureus</i>	ATCC®6538	WDCM00032	No growth
<i>Staphylococcus aureus</i>	ATCC®25923	WDCM00034	No growth

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A satisfactory result is represented by no colour change after incubation and a recovery of <100 cfu of *Staphylococcus aureus*.

Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	<ul style="list-style-type: none"> Update to new document template Remove <i>C. mytjensii</i> from pure culture testing Update to include ISO22964:2017 testing 	Change control	BT-CC-1935