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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
STAA AGAR BASE CM0881		

STAA AGAR BASE

CM0881

Typical Formula*

	grams per litre	
Peptone		20.0
Yeast extract		2.0
Dipotassium hydrogen phosphate		1.0
Magnesium sulphate		1.0
Agar		13.0

* adjusted as required to meet performance standards

Directions

Suspend 18.5g in 500ml of distilled water add 7.5g of glycerol and mix well. Sterilize by autoclaving at 121°C for 15 minutes. Cool to approximately 50°C and add the contents of one vial of STAA Selective Supplement (SR0151E) or one vial of STA Supplement (SR0162E) reconstituted as directed. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution – straw 2-3
 Moisture level - less than or equal to 7%
 pH - 7.0 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - equivalent to 13.0g/litre of agar

Microbiological Tests using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar, Columbia Blood Agar Base enriched with 5% v/v horse blood or Sabouraud Dextrose Agar, where appropriate

Tested with the addition of STA Selective Supplement SR0162

Aerobic incubation at 22°C for 48 hours

Medium is challenged with 10-100 colony-forming units

<i>Brochothrix thermosphacta</i>	ATCC®11509	Pinpoint-1.0mm straw colonies
<i>Brochothrix thermosphacta</i>	IFR2304	Pinpoint-1.0mm straw colonies

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


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Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Enterococcus faecalis</i>	ATCC®19433	No growth
<i>Bacillus subtilis</i>	ATCC®6633	No growth
<i>Pseudomonas aeruginosa</i>	ATCC®27853	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Staphylococcus aureus</i>	ATCC®25923	No growth
<i>Lactobacillus fermentum</i>	ATCC®9338	No growth
<i>Saccharomyces cerevisiae</i>	ATCC®9763	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of control media + result criteria.	Change control	BT-CC-1924