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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
KF STREPTOCOCCUS AGAR CM0701		

KF STREPTOCOCCUS AGAR

CM0701

Typical Formula*

Proteose peptone	grams per litre	10.0
Yeast extract		10.0
Sodium chloride		5.0
Sodium glycerophosphate		10.0
Maltose		20.0
Lactose		1.0
Sodium azide		0.4
Bromocresol purple		0.015
Agar		20.0

* adjusted as required to meet performance standards

Directions

Suspend 38.2g in 500ml of distilled water. Bring to the boil with frequent agitation. Boil for 5 minutes. Cool to 50°C and add aseptically 1 vial of TTC Solution (1%) (SR0229K). Mix well and pour into sterile Petri dishes when using the membrane filtration method or hold at 45°C when using the pour plate method.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - purple
 Moisture level - less than or equal to 10%
 pH - 7.2 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 20.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

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

Tested with the addition of 1% v/v TTC Solution 1% SR0229

Aerobic incubation at 37°C for 48 hours

Medium is challenged with 10-100 colony-forming units

Enterococcus faecium ATCC®19434 0.5-2mm red colonies, yellow halo

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®29212	0.5-2mm red colonies, yellow halo
<i>Enterococcus faecalis</i>	ATCC®33186	0.5-2mm red colonies, yellow halo
<i>Enterococcus faecalis</i>	ATCC®14506	0.5-2mm red colonies, yellow halo
<i>Enterococcus faecalis</i>	ATCC®19433	0.5-2mm red colonies, yellow halo
<i>Staphylococcus aureus</i>	ATCC®25923	No growth
<i>Proteus mirabilis</i>	ATCC®12453	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Salmonella typhimurium</i>	ATCC®14028	No growth
<i>Pseudomonas aeruginosa</i>	ATCC®27853	No growth
<i>Klebsiella pneumoniae</i>	ATCC®29665	No growth

Additional challenging strains are employed.

A satisfactory result is represented by growth in accordance with the specification. 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