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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
RPF SUPPLEMENT (SR0122A)		

RPF SUPPLEMENT

SR0122A

Formula

Per vial (each vial is sufficient to supplement 90ml of medium)

Bovine fibrinogen	0.375 g
Rabbit plasma	2.5 ml
Trypsin inhibitor	2.5 mg
Potassium tellurite	2.5 mg

Description

A freeze-dried selective supplement for the detection of coagulase positive Staphylococci.

Directions

To one vial aseptically add 10ml of distilled water. Turn vial end-over-end to dissolve. Avoid frothing the solution. Dissolution is not obtained immediately. Leave for five to ten minutes to dissolve completely. Aseptically add the vial contents to 90 ml of sterile Baird-Parker RPF Agar Base (CM0961) cooled to 48°C. Mix well and use immediately.

Physical Characteristics

White pellet
 Sterility - passes test

Bacteriological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar


Reactions after incubation at 37 ± 2°C for 48 ± 2 hours

Tested in Baird-Parker RPF Agar Base CM0961

Medium is challenged with 10-100 colony forming units

<i>Staphylococcus aureus</i>	ATCC® 9144	1-3mm grey /black colonies, coagulase zones
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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

Proteus mirabilis ATCC® 29906 ppt-2mm straw /brown colonies, no zones

A satisfactory result is represented by a negative diagnostic reaction (i.e. straw/brown colonies and no coagulase zone)

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 37 ± 2°C for 48 ± 2 hours

Tested in Baird-Parker RPF Agar Base CM0961

Medium is challenged with 50-120 colony forming units

<i>Staphylococcus aureus</i>	ATCC® 25923	WDCM00034	1-3mm grey /black colonies, coagulase zones
<i>Staphylococcus aureus</i>	ATCC® 6538	WDCM00032	1-3mm grey /black colonies, coagulase zones

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

Medium is challenged with 1E+03 to 1E+04 colony forming units

<i>Staphylococcus saprophyticus</i>	ATCC® 15305	WDCM00159	No growth or ppt-2mm grey/black colonies, no zone
<i>Staphylococcus epidermidis</i>	ATCC® 12228	WDCM00036	No growth or ppt-2mm grey/black colonies, no zone

A satisfactory result is represented by no growth or recovery with a negative diagnostic reaction (i.e. no coagulase zone)

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

<i>Escherichia coli</i>	ATCC® 25922	WDCM00013	No growth
<i>Escherichia coli</i>	ATCC® 8739	WDCM00012	No growth

Negative strains are inhibited

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Creation of ISO11133 section	Update to include testing of ISO11133:2014	Change control	BT-CC-1366