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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>BAIRD-PARKER (RPF) AGAR BASE (CM0961)</b>		

## BAIRD-PARKER RPF AGAR BASE

CM0961

### Formula

Pancreatic digest of casein	grams per litre	10.0
Meat extract		5.0
Yeast extract		1.0
Sodium pyruvate		10.0
Glycine		12.0
Lithium chloride		5.0
Agar		20.0

### Directions

Suspend 6.3g in 90ml of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 48°C and aseptically add 1 vial RPF Supplement (SR0122A), reconstituted as directed. Mix well and pour into sterile petri dishes.

### Physical Characteristics

Straw, free flowing powder  
 Colour on reconstitution - straw 2  
 Moisture level - less than 7.5%  
 pH - 7.2 ± 0.2 at 25°C  
 Clarity - clear  
 Gel strength - firm, comparable to 20g/litre Agar

### Bacteriological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

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

Tested with the addition of RPF Supplement SR0122

Medium is challenged with 10-100 colony forming units

*Staphylococcus aureus* ATCC® 9144 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.

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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 with the addition of RPF Supplement SR0122

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-1365