

## RPF SUPPLEMENT

### VIAL CONTENTS (FOR 200 ML OF MEDIUM)

Fibrinogen	380.0 mg
Trypsin Inhibitor	1.5 mg
Coagulase Plasma	3.0 mL
Potassium Tellurite	15.0 mg

### DIRECTIONS

Reconstitute the contents of the freeze-dried supplement with 50 mL of sterile distilled water. Mix until complete dissolution. Add to 150 mL of Baird Parker Agar Base (cat. N° 401116) autoclaved and cooled to  $47 \pm 2^\circ\text{C}$ . Mix well and distribute immediately into sterile Petri dishes.

### DESCRIPTION

RPF Supplement is prepared according to the formulation given by Manuel Suisse des Denrées Alimentaires (1985). When it is added to Baird Parker Agar Base, it is used for the detection and enumeration of coagulase positive staphylococci (mainly *S.aureus*) in food and animal feeding stuffs. RPF Supplement allows to detect on the primary isolation plate the coagulase enzyme through the formation of an opaque halo around the cultivated colonies. RPF Supplement contains rabbit plasma for the detection of coagulase enzyme, fibrinogen to enhance the coagulase reaction, trypsin inhibitor to prevent fibrinolysis and potassium tellurite as selective agent.

### TECHNIQUE

- Prepare the test sample, the initial suspension and the dilutions in accordance with the specific International Standard, appropriate to the product concerned.
- Transfer by means of a sterile pipette 0,1 mL of the test sample if the product is liquid or 0,1 mL of the initial suspension in the case of other products, to each of two Baird Parker RPF plates. Spread the inoculum on the agar surface. Repeat the operations with successive dilutions using a new pipette for each decimal dilution.
- Invert the plates and incubate at  $37^\circ\text{C}$  for 18-24 hours. If necessary re-incubate for 18-24 hours.
- After incubation, coagulase positive staphylococci form black or grey small colonies surrounded by a opaque halo. Count the typical colonies in each dish.

As the Baird Parker RPF Agar is based on a coagulase reaction, it is not necessary to confirm this activity

### STORAGE

Store at  $+2^\circ/+8^\circ\text{C}$  - When stored as directed the supplement remains stable until the expiry date shown on the label. Do not use beyond stated expiry date.

### PRECAUTIONS AND WARNING

The supplement should be used only by adequately trained personnel with knowledge of microbiological techniques in the laboratory.

### REFERENCE

Manuel Suisse des Denrées Alimentaires. Chapitre 56 (1985).

### PACKAGING

423101

**RPF Supplement 1 x 50 mL vials**  
(the vial allows to prepare 200 mL of complete medium)