Reference: 064-TA0155 **Scharlau Microbiology - Technical Data**

Product: **RPF Supplement Lyophilized**

Specification

Sterile supplement for Baird Parker RPF formulation formulated according to ISO.

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze dried vials Vial with: 9 ± 0.5 ml	23,25 X 60 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	24 months	2-8 ºC

Composition

Formula per vial (for 90 ml of medium base):

Rabbit Plasma - EDTA	2.5 ml
Bovine Fibrinogen	0.5 g
Trypsin Inhibitor	2.5 mg
Potassium tellurite	2.5 mg

Reconstitute by adding 10 ml of
pre-warmed sterile water at 37ºC

Description /Technique

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.
Reconstitute the lyophilized vial with 10 ml of sterile water prewarmed at 37 ° C, and add to 90 ml of melted Baird Parker RPF Base Medium mixed and pour into plates.
Once solidified on a flat surface, spread the plates by streaking methodology or by spiral method. Incubate the plates upside down aerobically at 37+/-1ºC for 24-48h.
(Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, or the specifications)
After incubation, enumerate all the colonies that have appeared onto the surface of the agar.
S.aureus form brilliant black colonies (tellurite reduction) always surrounded by a halo of fibrin.
Presumptive isolation of S.aureus can be confirmed if necessary by further microbiological and biochemical tests.

Quality control

Physical/Chemical control

Color : Pink

Microbiological control

Add supplement to functionality - onto medium Baird Parker base

Inoculate: Practical range 100 ± 20 CFU. min. 50 CFU (productivity)/ 10^4-10^6 (selectivity) and ≥10^3 CFU (specificity).

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 37 ºC ± 1, reading after 24-48 ± 2h

Microbiological control according to ISO 11133:2014/A1:2018.

Microorganism	Growth
Escherichia coli ATCC® 8739, WDCM 00012	Inhibited
Stph. aureus ATCC® 25923, WDCM 00034	Good ≥ 50%. Black/grey colonies with opacity halo
Stph. saprohyticus ATCC® 15305, WDCM 00159	Black/grey colonies without opacity halo
Stph. epidermidis ATCC® 12228, WDCM 00036	Black/grey colonies without opacity halo

Sterility control

(Previous reconstitution with 10 ml of sterile water).

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