Potassium Tellurite 3.5%

Intended Use
A filter-sterilized supplement recommended for the isolation of Staphylococci.

Summary
Baird Parker modified the Tellurite Glycine Medium of Zebovitz, Evans and Nivens. Potassium Tellurite 3.5% solution is used as Selective Supplement in Baird Parker Agar Base.

Principle
Potassium Tellurite inhibits a variety of microorganisms while *Staphylococcus aureus* is able to reduce the potassium tellurite into metallic tellurium resulting in black colonies. Inhibition of non-staphylococcal organisms, including many Gram-negative and Gram-positive bacteria is achieved by potassium tellurite.

Reagents / Contents
Composition: (1 mL per vial)

Potassium Tellurite	0.035 g
Distilled Water	1.00 mL

Storage and Stability
1. Store the Microxpress® Potassium Tellurite 3.5% Selective Supplement kit at 2°C-8°C, away from light.
2. Stability of the Microxpress® Potassium Tellurite 3.5% Selective Supplement kit is as per the expiry date mentioned on the label.

Directions
1. Warm up the refrigerated contents of one vial to 45-50ºC and aseptically add 9 ml of sterile distilled water to the vial.
2. Add 3 ml of reconstituted vial solution to 950 ml sterile, molten, cooled (45-50ºC) Baird Parker Agar Base (201020050500) / Baird Parker Agar Medium USP (201020060500) / Baird Parker Agar Base (Agar Medium O) EP (201020070500) / Baird Parker Agar Base (Agar Medium O) BP (201020080500) / Baird Parker Agar Base BIS (201020090500) along with 50 mL sterile Egg Yolk Emulsion.
3. Mix well and dispense as desired.

Interpretation of results
Baird Parker Agar Base containing Potassium Tellurite 3.5% Selective Supplement exhibits following results:
1. Typical colonies of *S. aureus* are black, shiny, convex and surrounded by clear zones (E-Y reaction) of approximately 2-5 mm. Coagulase negative Staphylococci generally do not grow well; if growth occurs, the typical clear zones are absent.
2. If negative, re-incubate for additional 24 hours.

Quantitative results
1. Count the plates with 20 - 200 typical *Staphylococcus aureus* like colonies, express as colony forming units (cfu) per Gram or mL of sample, taking into account the applicable dilution factor.
2. Also perform Coagulase test.

Quality Control
Cultural characteristics observed after an incubation of 24-48 hours at 30°C-35°C when used in Baird Parker Agar base along with Egg Yolk Emulsion.

Organisms (ATCC)	**Growth**	**Colour of Colony**
Staphylococcus aureus subsp. *aureus* (25923)	Good	Grey black shiny
Escherichia coli (25922)	None	-
Kocuria rhizophila Strain PCI 1001 (9341)	Poor	Very small brown black
Bacillus spizizenii (6633)	None	-

Remarks

1. Do not use cracked or broken vials.
2. Good laboratory practices and hazard precautions must be observed at all times.

Warranty

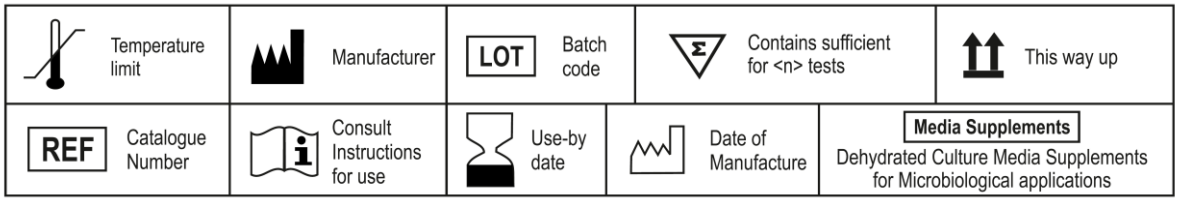
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Baird Parker AC; 1962, J. Appl. Bacteriology; 25:12
2. Zebovitz, Evans and Niven, 1955, J. Bact; 70:686
3. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
204160720001	Media Selective Supplement	5 x 1 mL



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Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.