

## Potassium Tellurite 1%

### Intended Use

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

### 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

Microxpress® Potassium Tellurite 1% is pre-diluted Selective Supplement for Vogel Johnson Agar Base.

Composition: (10 mL per vial)

Potassium Tellurite 0.10 g

Distilled Water 10.00 mL

### Storage and Stability

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

### Directions

1. Warm the refrigerated content of 1 vial to 45°C-50°C.
2. Mix well and aseptically add to sterile, molten Vogel Johnson Agar Base (30.50 g/500 mL).
3. Mix well and dispense as desired.

### Interpretation of results

Vogel Johnson Agar Base containing Potassium Tellurite 1% Selective Supplement exhibits following results:

1. During the first 24 hours of incubation, most organisms other than coagulase positive Staphylococci, are markedly or totally inhibited.
2. After 48 hours, many coagulase negative, mannitol fermenting or coagulase negative, mannitol nonfermenting Staphylococci will grow on the medium.
3. The coagulase positive cocci from small, black colonies against the red background.
4. If mannitol is fermented, the colonies are surrounded by yellow zones due to the colour change of the phenol red indicator in the response to the acid formation.

### Quality Control

Cultural characteristics observed after an incubation of 18-24 hours at 30°C-35°C when used in Vogel Johnson Agar Base.

Organisms (ATCC)	Growth	Colour of Colony
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (25923)	Good	Black with yellow halo
<i>Escherichia coli</i> (25922)	Inhibited	-
<i>Proteus mirabilis</i> (25933)	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. Vogel and Johnson, 1960, Public Health Lab; 18:131.
2. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

## Product Presentation:

Cat No.	Product description	Pack Size
204160730010	Media Selective Supplement	5 x 10 mL

 Temperature limit	 Manufacturer	 LOT	Batch code	 Contains sufficient for <n> tests	 This way up
 Catalogue Number	 Consult Instructions for use	 Use-by date	 Date of Manufacture	<b>Media Supplements</b> Dehydrated Culture Media Supplements for Microbiological applications	

## 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.

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