

7989 Tellurite Supplement (Chapman) 1%

Intended Use

Tellurite Supplement (Chapman) 1% is a solution of potassium tellurite used as a supplement in bacterial culture media in a laboratory setting. Tellurite Supplement (Chapman) 1% is not intended for use in the diagnosis of disease or other conditions in humans.

Principles of the Procedure

Tellurite Supplement (Chapman) 1% is added to Baird Parker Agar along with Egg Yolk Emulsion and is used to identify species of *Staphylococcus* based on these species' lipase and/or lecithinase activity. The potassium tellurite acts as part of the selectivity of the medium, suppressing the growth of non-*Staphylococcus* bacteria as well as being an indicator of coagulase positive *Staphylococcus* (black colonies).

For use in:

7112 Baird Parker Agar: used for detection and enumeration of *Staphylococcus aureus* in foods.

Formula:

Potassium tellurite.....0.1g (per 10ml vial)

Precaution

1. For laboratory use only.

Directions

1. Follow the base media instructions for the preparation of the culture medium using egg yolk and tellurite enrichment.
2. Suspend 60 grams of Baird Parker Agar in one liter of purified water. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave at 121°C for 15 minutes. Temper in a water bath at 45-50°C.
4. Add 50ml of Egg Yolk Emulsion (7982) and 10ml of Tellurite Supplement (Chapman) 1% and mix thoroughly without generating bubbles before dispensing.

Quality Control Specifications

Appearance: Tellurite Supplement (Chapman) 1% is a homogenous, colorless and clear solution without a precipitate.

Reconstitution Procedure

Tellurite Supplement (Chapman) 1% is ready to use.

Storage

Store sealed vials containing the product at 2 - 8°C. If opened and not completely utilized, be certain that aseptic dispensing procedures are followed to maintain integrity of the solution. Protect from contamination by keeping container tightly closed.

Expiration

Refer to expiration date stamped on the container. The solution should be discarded if appearance has changed from the original color. Expiry applies to solution in its intact container when stored as directed.

Limitations of the Procedure

Tellurite Supplement (Chapman) 1% should be stored in the intact vial or in a re-sealed vial which has been sealed so as not to allow evaporation or oxidation.



Packaging

Tellurite Supplement (Chapman) 1%

Code No. 7989 10 vials; 10ml per vial

Technical Information

Contact Acumedia Manufacturers, Inc. for Technical Service or questions involving dehydrated culture media preparation or performance at (517)372-9200 or fax us at (517)372-2006.