

Potassium Tellurite 1% Solution (iS47083)

A selective supplement for the isolation of *Staphylococcus aureus* species.

Industry: Clinical / Food

Description

Potassium Tellurite Solution, a 1% aqueous solution sterilized by filtration, is recommended for selective isolation of *staphylococci* and *corynebacteria*. It acts as an inhibitor in culture media, preventing the growth of most Gram-negative bacteria and certain Gram-positive bacteria unable to reduce it. This solution is commonly used in media such as Giolitti-Cantoni Broth, Vogel-Johnson Agar, Baird Parker, and other selective media for *staphylococci*. Additionally, it is included in selective media for *corynebacteria*, *streptococci*, and *vibrios*. The ability of *staphylococci* to reduce potassium tellurite is correlated with their pathogenicity, making it a valuable component for identifying clinically relevant *staphylococci*.

Composition

Potassium tellurite	1%
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Directions

Warm the supplement to room temperature, filter sterilize the solution, and add 1.05 ml to 19 ml of autoclaved medium. Mix thoroughly.

Storage

Store in a light-protected environment at 2-8°C.