

Egg Yolk Tellurite Emulsion 20% (iS47021)

Sterile stabilized Tellurite emulsion of Egg Yolk recommended for identification of the *Staphylococcus* species.

Industry: Veterinary / Food / Pharmaceutical / Dairy products

Principles & Uses

Egg Yolk Tellurite Emulsion, when properly prepared, is a key component in microbiology. Its role is to facilitate the identification of microbial lecithinase activity and tellurite reduction in various applications. To ensure its effectiveness, it's essential to gently warm the refrigerated emulsion, as cold storage may cause separation or lumps to form. Once homogenized, this emulsion can be added to specific agar bases, to create a medium that aids in the identification of microorganisms exhibiting these activities.

Composition (gr/L)

Egg Yolk 30 ml, Sterile saline 64 ml, Sterile 3.5% Potassium Tellurite Solution 6 ml.

Preparation Instructions

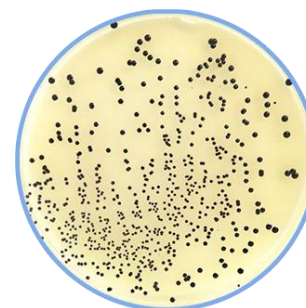
Warm the refrigerated Egg Yolk Tellurite Emulsion to 45-50 °C and aseptically add 50 ml to 950 ml of sterile, molten Baird Parker Agar Base. Mix well and pour into sterile petri plates.

Cultural Response

Egg Yolk Tellurite Emulsion used as a supplement in Baird-Parker Agar.

Organism (ATCC*)	Recovery	Colony Color	Clear zones
<i>Bacillus subtilis</i> (6633)	None to poor	Brown	-
<i>Staphylococcus aureus</i> (25923)	Good	Black	+
<i>Proteus mirabilis</i> (25933)	Good	Brown	-
<i>Escherichia coli</i> (8739)	Inhibited	-	-

*ATCC is a registered trade mark of the American Type Culture Collection.



Egg Yolk Tellurite Emulsion is contained in the bottle on the left and is utilized as a supplement in Baird-Parker Agar. *Staphylococcus aureus* is indicated by characteristic black colonies and halos

Storage

Keep the container at 2 - 8 °C.