

TELLURITE EGG YOLK EMULSION

CAT Nº: 5129

For the detection and enumeration of *Staphylococcus*

FORMULA IN g/L

Egg yolk	200 ml	Potassium Tellurite	2.10
Sodium chloride	4.25	Sterile water	800ml

125 ml flask with 100±3 ml

USES

Tellurite Egg Yolk Emulsion, sterilized and stabilized, for use in microbiology applications, ready for use with BAIRD PARKER AGAR BASE (Cat. 1100) for selection of coagulase-positive Staphylococci. The addition of Egg yolk and Potassium tellurite helps to differentiate these microorganisms from others capable of growing in the base agar, through the detection of lecithinase and the formation of black colonies.

Add 5 ml Tellurite Egg Yolk Emulsion / 100 ml medium
Inoculate and incubate at 35-37 °C for 24-48 hours.

MICROBIOLOGICAL TEST

The following results were obtained in the Baird Parker Base Agar from type cultures after incubation at a temperature of 37 °C, observed after 24-48 hours.

Microorganisms	Growth	Lecithinase	Colony color	Productivity (cfu)	Selectivity (cfu)
<i>Staphylococcus aureus</i> ATCC 25923	Good	+	Grey/black with halo	100±20	
<i>Staphylococcus aureus</i> ATCC 6538	Good	+	Grey/black with halo	100±20	
<i>Escherichia coli</i> ATCC 8739	Inhibited				10 ⁴ -10 ⁶
<i>Staphylococcus epidermidis</i> ATCC 12228		-	Grey/black without halo	100±20	
<i>Staphylococcus saprophyticus</i> ATCC 15305		-	Grey/black without halo	100±20	



BIOBLIOGRAPHY

BAIRD-PARKER, A.C. (1962) An improved diagnostic and selective medium for isolating coagulase-positive staphylococci. J. Appl. Bact. 25:12.

EUROPEAN PHARMAPOEIA (2007) 5thed. Suppl. 5.6 § 2.6.13 Microbiological examination of non-sterile products. EDQM. Council of Europe. Strasbourg.

FIL-IDF 60:2001 Standard. Lait et produits à base de lait - Detection des staphylocoques à coagulase positive - Technique du nombre le plus probable. Brussels.

ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

USP 31 - NF 26 (2008) <61> Microbial Limit Tests. US Pharmacopoeial Conv. Inc. Rockville. MD. USA.

ZANGERL, P. & H. ASPERGER (2003) Media used in the detection and enumeration of *Staphylococcus aureus*. In Handbook.

STORAGE

Once opened keep powdered medium closed to avoid hydration.

