

# TECHNICAL DATA SHEET

Article No. 9557

Egg Yolk Tellurite Emulsion 20 %, sterile

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## SPECIFICATION

Sterile egg emulsion with potassium tellurite for Baird Parker medium preparation according to ISO standard 6888-1.

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## COMPOSITION (G/VIAL)

Egg Yolk	200 ml
Potassium tellurite	2.10
Sodium chloride	4.25
Sterile water	800 ml

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## DESCRIPTION/TECHNIQUE

Sterile egg emulsion + potassium tellurite for different culture media supplementation.  
Add aseptically 5 ml to 100 ml melted Baird-Parker Agar (base) (Art. no. 9869), cooled to 50 °C, before pouring into Petri dishes when cooled to room temperature. Once solidified on a flat surface, spread the plates by streaking methodic or by spiral plate method. Incubate the plates right side up aerobically at 35-37 °C for 24-48 h. (Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications, etc.)

After incubation, enumerate all the black-brownish colonies that have appeared onto the surface of the agar with a double halo, an inner white halo (lipase action) and an outer halo of clear medium (lecithinase activity). Each laboratory must evaluate the results according to their specifications.  
Presumptive isolation of *S. aureus* must be confirmed by further microbiological and biochemical tests.  
Calculate total microbial count per ml of sample by multiplying the average number of colonies per plate by the inverse dilution factor if streaked a diluted sample. Report results as Colony Forming Unit (CFU's) per ml or g along with incubation time and temperature.

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## QUALITY CONTROL

- Physical/chemical control: Colour yellow  
pH at 25 °C
- Microbiological control: Add 5 ml of product to 100 ml of Baird Parker Agar (base).  
Inoculate: Practical range 100 ±20 CFU, min. 50 CFU (productivity)/ 10<sup>4</sup>-10<sup>6</sup> (selectivity). Aerobiosis. Incubation at 37 °C, reading after 24-48 h.

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St.-Nr. 70093/40018 / USt-IdNr. DE147510304  
Amtsgericht Stuttgart / HRA-Nr. 254140  
Persönlich haftende Gesellschafterin:  
Geyer Beteiligungsgesellschaft mbH  
Amtsgericht Stuttgart / HRB-Nr. 252035  
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth

Microorganism	Growth	Remarks
<i>Staphylococcus aureus</i> ATCC® 6538	Good. Black/grey colonies with clear halo. Lecithinase positive	None
<i>Staphylococcus aureus</i> ATCC® 25923	Good. Black/grey colonies with clear halo. Lecithinase positive	None
<i>Escherichia coli</i> ATCC® 8739	Inhibited	None
<i>Staphylococcus epidermidis</i> ATCC® 12228	Black/grey colonies without halo. Lecithinase negative	None
<i>Staphylococcus saprophyticus</i> ATCC® 15305	Black/grey colonies without halo. Lecithinase negative	None

- Sterility control: Inoculate 10ml of product in 100 ml TIO USP/TSB. Incubate and verify in TSA. Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: No growth. Check at 7 days after incubation at same conditions.

## REFERENCES

- BAIRD-PARKER, A.C. (1962) An improved diagnostic and selective medium for isolating coagulase-positive staphylococci. J. Appl. Bact. 25:12.
- EUROPEAN PHARMACOPOEIA (2007) 5<sup>th</sup> ed. 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 Pharmacopeial Conv. Inc. Rockville. MD. USA.
- ZANGERL, P. & H. ASPERGER (2003) Media used in the detection and enumeration of *Staphylococcus aureus*. In Handbook.

## STORAGE

8-14 °C

## SHELF LIFE

18 months from date of production.

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