



Egg Yolk Tellurite Emulsion

Supplement for detection of coagulase-positive staphylococci, according to ISO 6888.

DESCRIPTION

A sterile, stabilized emulsion of egg yolk containing potassium tellurite for use in Baird Barker Agar Base (ref. 610004, 620004). The complete medium is used for the isolation and enumeration of *Staphylococcus aureus* in food, in accordance with ISO 6888 (part 1 and 3).

COMPOSITION

Chicken egg yolks in an equal volume of saline solution (0.9% NaCl) with potassium tellurite (2 g/l).

METHOD PRINCIPLE

Egg yolk is broken down by staphylococci containing lecithinase to yield clear zones around the colonies. Potassium tellurite is reduced by coagulase-positive staphylococci causing blackening of colonies.

PROCEDURE FOR USE

Aseptically, add 50 ml to 1 litre of Baird Parker Agar Base sterilized in autoclave and cooled to 45-50°C. Final concentration of tellurite in medium is 0.01% w/v.

TECHNIQUE AND INTERPRETATION OF RESULTS

Refer to the technical sheet of the medium being prepared.

APPEARANCE

Yellowish opaque emulsion. May contain a precipitate that can be resuspended.

STORAGE

Store at 2-8°C away from light. Do not use the product beyond its expiry date on the label or if product shows any evidence of contamination or any sign of deterioration. Mix well before use.

SHELF LIFE

1 year.

QUALITY CONTROL

Cultural response in Baird Parker Agar after 48 hours incubation at $37 \pm 1^\circ\text{C}$:

Microorganism	Specification	
<i>Staphylococcus aureus</i>	WDCM 00034	Good growth, black or grey colonies with clear halo
<i>Escherichia coli</i>	WDCM 00012	Total inhibition
<i>Staphylococcus saprophyticus</i>	WDCM 00159	Black or grey colonies without halo
<i>Staphylococcus epidermidis</i>	WDCM 00036	Black or grey colonies without halo

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is intended for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE








Disposal of waste must be carried out according to national and local regulations in force.

BIBLIOGRAPHY

1. EN ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
2. ISO 6888-3:2003. Microbiology of food and animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species). Part 3 : detection and MPN technique for low numbers.
3. ISO 6888-1:1999. Microbiology of food an animal feeding stuffs. Horizontal method for the enumeration of coagulase-positive staphylococci (*Staphylococcus aureus* and other species) - Part 1: Technique using Baird Parker Agar Medium.
4. Baird-Parker A.C. (1962) An improved diagnostic and selective medium for isolating coagulase-positive staphylococci. J. Appl. Bacteriol. 25:12-19.

PRESENTATION	Contents	Ref.
Egg Yolk Tellurite Emulsion	4 x 50 ml bottles	80122
Egg Yolk Tellurite Emulsion	6 x 100 ml bottles	80125

TABLE OF SYMBOLS

LOT Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
REF Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult Instruction For Use	



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