

Egg Yolk Tellurite Emulsion 20%

Supplement for detection of coagulase-positive staphylococci, according to ISO 6888-1.

DESCRIPTION

Egg Yolk Tellurite Emulsion 20% is a liquid supplement used for the preparation of Baird Parker Agar Base (Ref. 610004, 620004). The complete medium is used for the isolation and enumeration of coagulase-positive staphylococci in food, according to ISO 6888-1.

KIT CONTENTS

Each kit contains:

- 4 bottles of Egg Yolk Tellurite Emulsion 20%
- 1 instructions sheet

PRINCIPLE OF THE METHOD

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.

COMPOSITION

	Content / bottles	Content / liter
Egg Yolk	10 ml	200 ml
Potassium Tellurite	0.1 g	2.0 g
Sterile Water	40 ml	800 ml

PROCEDURE FOR USE

1. Add aseptically 1 bottle of Egg Yolk Tellurite Emulsion 20% to 1 litre of Baird Parker Agar Base autoclaved and cooled to 45-50°C.
2. Mix with care and pour into Petri dishes.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical sheet of the medium being prepared.

QUALITY CONTROL

1. Visual inspection: opaque, yellow liquid
2. Microbiological control.
Medium prepared per label directions. Plates are inoculated with the microbial strains indicated below and incubated at 37±1°C for 24-48 h.

Control strains

Staphylococcus aureus
Escherichia coli
Staphylococcus saprophyticus
Staphylococcus epidermidis

WDCM 00034
WDCM 00013
WDCM 00159
WDCM 00036

Growth

Good
Inhibited
Good
Good

Specifications

Black or grey colonies with clear halo

Black or grey colonies without halo
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.

STORAGE AND TRANSPORT CONDITIONS

2-8°C away from light, until the expiry date on the label. However, our stability studies have shown that the storage or transport at 18-25°C for 4 days, or at 35-39°C for 48 hours, do not alter in any way the performance of the product. Eliminate if signs of deterioration or contamination are evident.

REFERENCES








- ISO 6888-1:1999. Microbiology of food and 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.
- Baird-Parker A.C. (1962) An improved diagnostic and selective medium for isolating coagulase-positive staphylococci. J. Appl. Bacteriol. 25:12-19.

PRESENTATION

Product	Ref.	Contents
Egg Yolk Tellurite Emulsion 20%	80123	4 x 50 ml bottles

One bottle is sufficient to prepare 1 litre of medium.

TABLE OF SYMBOLS

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



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