

Technical Data Sheet

Staphylococcus Enrichment Broth Base acc. BAIRD

Ordering number: 1.07899.0500

For the selective enrichment of coagulase-positive staphylococci acc. to § 35 LMBG (German food inspection legislation).

Mode of Action

Lithium chloride and potassium tellurite inhibit most of the accompanying flora, whereas the remaining components of the culture medium permit satisfying growth of staphylococci.

Typical Composition (g/L)

| Staphylococcus Enrichment Broth Base acc. BAIRD | |
|---|------|
| Peptone from meat | 8.0 |
| Peptone from casein | 2.0 |
| Yeast extract | 1.0 |
| Meat extract | 5.0 |
| Sodium pyruvate | 10.0 |
| Glycine | 12.0 |
| Lithium chloride | 5.0 |

Preparation

Suspend 43,0 g/litre, fill into test tubes, autoclave (15 min at 121°C).

Prior to use add 0.1 ml filter-sterilized 1% potassium tellurite solution to 9 ml of base medium below 45°C.

pH: 6.6 ± 0.2 at 25 °C.

The prepared culture medium base can be stored in a refrigerator for up to one month. It is clear and yellowish-brown.

Experimental Procedure and Evaluation

According to § 35 LMBG, inoculate 1 ml of sample material in 9 ml of culture medium. Incubate up to 48 hours at 35 °C.

Storage

Store at +15 °C to +25 °C, dry and tightly closed. Do not use clumped or discolored medium. Protect from UV light (including sun light). For *in vitro* use only.

Quality Control

| Control strains | Inoculum | Enrichment from a mixed inoculum after 24 hours: |
|---|-----------|--|
| Escherichia coli ATCC® 25922 (WDCM 00013) | About 99% | ≤ 5 % |
| Staphylococcus aureus ATCC® 6538-P (WDCM 00033) | About 1 % | ≥ 95 % |

Please refer to the actual batch related Certificate of Analysis.

Literature

Amtliche Sammlung von Untersuchungsverfahren nach § 35 LMBG; Untersuchung von Lebensmitteln. Bestimmung Koagulase-positiver Staphylokokken in Trockenmilcherzeugnissen und Schmelzkäse. – L 02.07.

Ordering Information

| Product | Cat. No. | Pack size |
|---|--------------|-----------|
| Staphylococcus Enrichment Broth Base acc. BAIRD | 1.07899.0500 | 500 g |
| Potassium tellurite trihydrate | 1.05164.0100 | 100 g |

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