

Technical Data Sheet

Salmosyst® Broth Base

Ordering number: 1.10153.0500

For the two-step enrichment of sublethally injured salmonellae, especially from foodstuffs and feeds.

Mode of Action

All the microorganisms present in the sample material are enriched during non-selective pre-enrichment in Salmosyst® Broth Base. Following the addition of the selective reagents in the form of a Salmosyst® Selective Supplement tablet, the growth of the accompanying organisms is inhibited, but the salmonellae continue to grow.

Typical Composition (g/L)

Salmosyst® Broth Base	
Peptone from casein	5.0
Peptone from meat	5.0
Sodium chloride	5.0
Calcium carbonate	10.0

pH: 7.1 ± 0.2 at 25 °C

Preparation

Dissolve 25 g/litre, autoclave for 15 min at 121 °C. A visible white precipitation of calcium carbonate which then appears does not affect the performance of the broth. During long storage of the prepared broth some of the calcium carbonate dissolves and can lead to a minimal increase in the pH of the broth.

Preliminary Enrichment

Suspend 25 g sample material (if necessary homogenize) in 225 ml broth base and incubate for 6-8 hours at 35 °C. Transfer 10 ml of the culture to a sterile test tube.

Selective Enrichment

Add one tablet of Salmosyst® Selective Supplement to the 10 ml of the preliminary enrichment culture and leave to stand for 30 minutes. Shake vigorously and then incubate for further 18-22 hours at 35 °C.

In order to detect the salmonellae, streak a sample of the resulting enrichment culture onto appropriate selective culture media. Identify the resulting colonies.

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	Growth**
Salmonella typhimurium ATCC 14028 (WDCM 00031)	+
Salmonella dublin ATCC 15480	+
Escherichia coli ATCC 25922 (WDCM 00013)	Inhibited
Enterococcus faecalis ATCC 19433 (WDCM 00009)	inhibited

Please refer to the actual batch related Certificate of Analysis.

** Incubation 24 h at 35°C in culture medium with addition of Salmosyst® selective supplement

Literature

WEBER, A.: Über die Brauchbarkeit von Salmosyst® zur Anreicherung von Salmonellen aus Kotproben von Tieren. - **Berl. Münch. Tierärztl. Wschr.**, **101**; 57-59 (1988).

OSSMER, R.: Salmosyst® and RAMBACH-Agar. A Rapid Alternative for the Detection of Salmonella. Congress-Poster - Salmonella and Salmonellosis- Ploufragan/Saint-Brieux - France, September 1992.

Ordering Information

Product	Cat. No.	Pack size
Salmosyst® Broth Base	1.10153.0500	500 g
Salmosyst® Selective Supplement	1.10141.0001	250 tablets

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