



Guangdong Huankai Microbial Sci. & Tech.Co.,Ltd.

广东环凯微生物科技有限公司

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HCM011 Selenite Cystine Broth (SC)

Usages:

For selective enrichment of Salmonella.

Principle:

Peptone provide carbon and nitrogen sources to meet the needs of bacterial growth; lactose are fermentable sugars; selenite, sodium hydrogen inhibit Gram-positive bacteria and gram-negative enterobacteria most non-Salmonella; phosphate-buffered agent; L- cystine as a reducing agent.

Formulation (per liter) :

Peptone: 5g

Lactose :4g

Sodium selenite: 4g

Disodium hydrogen phosphate: 10g

L- cystine: 0.01g

Final pH 7.0 ± 0.2

How to use:

1. Weigh 23g of the product , adding 1 L of distilled or deionized water , heated to boiling stirring until completely dissolved, dispensing flask, cooled to room temperature .
2. Pipette 10mL of pre-enrichment sample broth or 25mL and transferred species in the liquid sample flask in a sterile environment.
- 3.Place into incubator, cultured at 36 ± 1 °C for 18-24h.
4. Observe the results.

Quality control:

Quality control strains were inoculated ,and cultured at 36 ± 1 °C for 18-24h ,results show as follows:

strain name	strain code	growth	feature
Salmonella typhi	CMCC (B) 50071	good	red, cloudy
Salmonella typhimurium	CMCC (B) 50115	good	red, cloudy
Escherichia coli	ATCC25922	--	remain unchanged

Storage: Store in a dark, cool and dry place, tighten the cap immediately after use. Storage period of three years.

Specifications: 500g

Reference:



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- 1 GB / T4789.4-2003 People's Republic of China national standards of food hygiene Examination of Salmonella microorganisms
- 2 GB / T4789.28-2003 People's Republic of China national standards of food hygiene microbiological examination Staining, media and reagents
- 3 ISO 6579: 2002 Microbiology of food and animal feeding stuffs ----- Horizontal method for the detection of Salmonella spp.
4. ISO6785-2001 Milk and milk products ----- Detection of Salmonella spp