

Modified Lauryl Sulfate Tryptose Broth Base (mLST)

Product No. CM1519

Intended Use

Used for the selective enrichment of *Cronobacter sakazakii*. (GB, SN)

Specification 250 g

Ingredients	(g/L)
Tryptone	20.0
Sodium chloride	34.0
Lactose	5.0
Monopotassium Phosphate	2.75
Dipotassium phosphate	2.75
Sodium dodecyl sulfate	0.1
(pH 6.8 ± 0.2)	

Additional Reagents

Ingredients	(mg/L)
Vancomycin(B)	10

Principle and Interpretation

Tryptone provides essential growth substances, such as nitrogen and carbon compounds, sulfur and trace ingredients; Sodium chloride maintains osmotic equilibrium; Lactose is the carbon energy source. The monopotassium phosphate and dipotassium phosphate provide buffering capacity; Sodium lauryl sulfate and vancomycin inhibit the growth of gram-positive bacteria.

Directions

Suspend 64.6 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121 °C for 15 minutes. Aseptically add one vial of vancomycin(B) (Cat. No. P-08B) to 95 mL base. Mix thoroughly and pour into the plates.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth
<i>Cronobacter sakazakii</i> ATCC 29544	50-250	<i>E.sakazakii</i> Chromogenic Medium(DFI Agar)	Semi- quantita tive	44°C±0.5°C 24h±2h	> 10 CFU on the DFI Agar
<i>Cronobacter sakazakii</i> CICC 21645 [CMCC(B) 45417]					
<i>Escherichia coli</i> ATCC 25922	1000-5000	TSA			< 10 CFU on the TSA
<i>Escherichia coli</i> CICC 25012 [CMCC(B) 43201]					
<i>Enterococcus faecalis</i> ATCC 29212					
<i>Enterococcus faecalis</i> CICC 25019 [CMCC(B) 32482]					

Storage Conditions

Keep container tightly closed and store in a cool dry place.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
GCM1519	Modified Lauryl Sulfate Tryptose Broth Base (mLST) (Granule)	250g
P-08B	Vancomycin(B)	1 mg×10
P-08BX	Vancomycin(B)	5 mg×10
CM1519-05	Modified Lauryl Sulfate Tryptose Broth (mLST-Vm)	10mL×20

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.