

MC Medium

Product No.CM156

Intended Use

Used for isolating and enumerating *Streptococcus thermophiles* in dairy products.

(GB)

Specification 250 g

Ingredients	(g/L)
Soy Peptone	5.0
Beef Extract	5.0
Yeast Extract	5.0
Glucose	20.0
Lactose	20.0
Calcium Carbonate	10.0
Neutral Red	0.05
Agar	15.0
(pH6.0±0.2)	

Additional Reagents

No

Principle and Interpretation

Soy peptone, beef extract, yeast extract provide nitrogen source, carbon source, vitamins, mineral elements and other growth factors needed for the growth of bacteria; Glucose, lactose as carbohydrates to promote the growth of lactic acid bacteria; Calcium carbonate can neutralize the acid produced by cell metabolism of bacteria, so as to alleviate its acid toxicity to cells. Neutral red as acid-base indicator; agar as a coagulant.

Directions

Suspend 80.1g of the powder in 1 L of distilled water. Heat with frequent agitation

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and boil to dissolve completely. Autoclave at 121°C for 15 minutes.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth
<i>Streptococcus thermophilus</i> CICC 6038	50-250	MRS	quantitative	36.0°C±1°C 72h±2h	PR» 0.7, Medium to small, smooth-edged red colony with a faint halo

Storage Conditions

Store tightly closed in a cool, dry place.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
GCM156	MC Medium	250 g
CM156-07	MC Medium	100mLx10

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