

## Psychrophilic Bacterium Count Agar (Milk plate count Agar,MPCA)

**Product No.** CM199

### Intended Use

Determination of the total number of frigidophilic bacteria and aerobic spores in milk and milk products . ( ISO ) ( NY/T1331-2007 )

**Specification** 250 g

Ingredients	(g/L)
Yeast extract	2.5
Tryptone	5.0
Glucose	1.0
Skim milk powder	1.0
Agar	14.0
(pH7.0±0.2)	

### Additional Reagents

No

### Principle and Interpretation

Yeast extract, tryptone and skim milk powder were used as nutrients in the medium to provide nitrogen source, carbon source and growth factor for cell growth. Glucose as a fermentable carbohydrate; Agar as a coagulant.

### Directions

Suspend 23.5g 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.

### Precautions

No

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BEIJING LAND BRIDGE TECHNOLOGY CO.,LTD.

No. 3, Gaobeidian North Road, Chaoyang District, Beijing (100123)

Tel: +86-10-51203999 +86-400-810-1304

Mail: info@beijinglandbridge.com Web: www.beijinglandbridge.com

### Quality Control

Microorganisms	Method	Incubation	Growth
<i>Escherichia coli</i> ATCC 25922	qualitative	36.0°C±1°C 48h±2h	Well-growth
<i>Staphylococcus aureus</i> ATCC 6538			
<i>Bacillus subtilis</i> ATCC 6633			

### Storage Conditions

Store tightly closed in a cool, dry place.

### Shelf Life

3 years.

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