

## Violet Red Bile Glucose Agar

**Product No.**CM118

### Intended Use

Used for detecting and enumerating *Enterobacteriaceae* in food and dairy products.

**Specification** 250 g

Ingredients	(g/L)
Yeast Extract	3.0
Glucose	10.0
Peptone	7.0
Neutral Red	0.03
Sodium Chloride	5.0
Crystal Violet	0.002
Bile Salt No.3	1.5
Agar	15.0
(pH7.4±0.2)	

### Additional Reagents

No

### Principle and Interpretation

Peptone and yeast are used as basic nutrients in the medium to provide nitrogen sources, vitamins and other mineral elements needed for cell growth. Glucose as a fermentable carbohydrate; Neutral red as an indicator, fermented glucose produced acid to make the neutral red indicator color, thus making the colony red; Bile salt and crystal violet can inhibit the growth of gram-positive bacteria.

### Directions

Suspend 38.5 g of the powder in 1 L of distilled water. Mix thoroughly. Heat with frequent agitation and boil for 1-2 minute to completely dissolve the powder. DO NOT AUTOCLAVE. Cool to approximately 50°C and use immediately.

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## Precautions

No

## Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth
<i>Escherichia coli</i> CICC 25012 [CMCC(B) 43201]	50-250	TSA	quantitative	36.0°C±1°C 18h-24h	PR» 0.7, Purplish-red colony surrounded by bile salt precipitating rings
<i>Citrobacter freundii</i> CICC25015 [CMCC(B) 48098]					
<i>Staphylococcus aureus</i> CICC 25018 [CMCC(B) 26305]	-	-	semiquantitative		G≤1

## Storage Conditions

Store tightly closed in a cool, dry place.

## Shelf Life

3 years.

## Related Products

Product No.	Product Name	Specification
CM118	Violet Red Bile Glucose Agar	1000 g
PB007A	Violet Red Bile Glucose Agar Plate	10Plate x 2

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

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