

MacConkey Broth

Product No. CP856

Intended Use

Used for selective enhancement of *Escherichia coli* in pharmaceutical products.
(Pharmacopoeia)

Specification 250 g

Ingredients	(g/L)
Pancreatic Digest of Gelatin	20.0
Lactose	10.0
Oxgall	5.0
Bromocresol Purple	0.01

(pH 7.3 ± 0.2)

Additional Reagents

No

Principle and Interpretation

Pancreatic Digest of Gelatin provides amino acids and other growth factors. Lactose is a carbon energy source for gram-negative lactose-fermenting bacilli. Oxgall inhibits the growth of gram-positive organisms. Bromocresol purple is the indicator.

Directions

Suspend 35.0 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.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (recovery)
<i>Escherichia coli</i> CMCC(B)44102	≤100	MacConkey Broth	Growth promoting	42°C-44°C 24h	Good

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (recovery)
<i>Staphylococcus aureus</i> CMCC(B)26003	≥100	MacConkey Broth	Inhibitory	42°C-44°C 48h	Inhibit growth

Storage Conditions

Keep container tightly closed and store in a dry place at 2-25°C.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
GCP856	MacConkey Broth (Granule)	250 g

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