



MacConkey Broth Purple with BCP. 100 g / 500 g

Used for cultivating gram-negative, lactose -fermenting bacilli in water and foods as a presumptive test for coliform organisms.

Product Presentation:

Cat No.	Product description	Pack Size
11130020100	MacConkey Broth Purple with BCP	100 Gram
11130020500	MacConkey Broth Purple with BCP	500 Gram

Principle

MacConkey Broth purple with BCP is composed of peptone. Lactose Oxgall and bromocresol purple. Peptone provides nitrogen and other nutrients necessary for the growth of microorganisms. Lactose is a carbon source and plays an important role for selection of lactose fermenting microbes. Oxgall is selective agent, inhibits growth of gram-positive microorganisms. Bromocresol purple is pH indicator dye. Lactose fermenting organisms show prominent growth and produce acid and gas, causing medium to turn yellow. Non-fermenting organisms produce good growth but will not produce acid or gas.

Composition

Ingredients	Grams / Litre
Peptone	20.00
Lactose	10.00
Oxgall	5.00
Bromocresol Purple	0.01

Final pH (at 25°C) 7.3±0.2

*Formula adjusted, standardized to suit performance parameters

Type of specimen

Food and Dairy samples, Water samples pharmaceutical samples, clinical and non-clinical samples.

Specimen Collection and Handling

Ensure that all samples are properly labeled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

- ✓ Suspend 35.00 g of powder in 1000 mL distilled water.
- ✓ Mix thoroughly.
- ✓ Boil to dissolve the medium completely. Avoid Overheating.
- ✓ Dispense into tubes containing inverted Durham's tubes.
- ✓ Sterilize by autoclaving 121°C for 15 minutes or as per validated cycle.

Storage and Stability

FACTORY & OFFICE

Plot No. D 76 , Five Star MIDC Area, Kagal.

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- ✓ Store Dehydrated culture media in cool, dry place at 10°C-30°C away from direct light.
- ✓ Store prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Quality Control

Dehydrated Appearance: Light beige coloured homogeneous, free flowing powder

Prepared Appearance: Purple coloured, clear solution.

Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP and growth is observed after an incubation at 30°C-35°C for 18-24 hours.

Growth Promoting Properties: The test results observed are within the specified temperature and shortest period of time specified in the test, inoculating ≤100 cfu of appropriate microorganism at 30°C-35°C for 18 hours.

Inhibitory Properties: No growth of the test microorganism occurs for the specified temperature and not less than the longest period of the time specified, inoculating >100 cfu of the appropriate microorganism at 30°C-35°C for 24 hours.

Cultural Response :

Organism	Type Culture	Growth	Acid	Gas
<i>Escherichia coli</i>	ATCC 8739	Good	+	+

Inhibitory :

Organism	Type Culture	Growth	Acid	Gas
<i>Staphylococcus aureus</i>	ATCC 25923	Inhibited	--	--

Key:

For Acid (+) - Positive, yellow colouration

For Acid (-) - Negative, no colour change

For Gas (+) - Positive reaction (Bubble formation in Durham's tube)

For gas (-) - Negative reaction (No bubble formation in Durham's tube)

Note: For inhibition no growth of test microorganism should occur.

Warranty

- ✓ This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Disposal

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.

User must ensure safe disposal of used or unusable preparation of the products.

Reference

1. IP. 1996, Ministry of Health and Family Welfare, Govt. of India, Vol.2.
2. US Pharmacopeial Convention, Inc. 2001, The United States Pharmacopoeia 25/NF 20-2002. The US Pharmacopeial Convention, Inc; Rockville, Md.

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