

MAST® Culture Media and Supplements

Technical Information Sheet

Product Code DM 142



MacConkey Agar No.2

A medium for the detection of enterococci in the presence of non-lactose fermenters and coliforms in food, sewage and water.

1. Description

MAST MacConkey Agar No.2 is a modification of the original MacConkey medium,¹ and is designed to show the presence of enterococci amongst coliforms and non-lactose fermenting organisms in water, sewage and food products. The medium

contains selected bile salts and crystal violet to inhibit staphylococci and non-faecal streptococci, so that enterococci, indicative of faecal pollution, can be immediately detected.

2. Technical Formula*

Formula	grams per litre
Selected peptone Mixture	14.6
Natural red	0.03
Bile salts No.2	0.00425
Lactose	10.0
Sodium chloride	5.0
Crystal violet	0.001
Agar	14.0
pH approx.7.2	

3. Directions

1. Suspend by swirling 43.6g of powder in 1 litre or the contents of the sachet in the stated volume of distilled or deionised water.
2. Autoclave at 121°C (15 p.s.i.) for 15 minutes.
3. Mix well before pouring.

4. In Use

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enterococci, indicative of faecal pollution, can be immediately detected.

5. References

1. MacConkey A. *J Hygiene*. 1905; 5: 333-379.



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*Formulation may be modified to meet performance criteria

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