

TECHNICAL SHEET

PP013	MacConkey Sorbitol Agar Plate	
Formula		
Ingredients:	gms/lit.	
Tryptone	17.00	
Meat Peptone	3.00	
D-Sorbitol	10.00	
Bile salt No.3	1.50	
Sodium chloride	5.00	
Neutral red	0.03	
Crystal violet	0.001	
Agar	13.50	
Final pH (at 25°C): 7.1± 0.2		
Directions:		
Label the ready to use plate (PP013).Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.		
Principle:		
Tryptone and Meat Peptone are sources of nitrogen and other nutrients. D-Sorbitol is a fermentable carbohydrate. Crystal Violet and Bile Salts are selective agents that inhibit growth of gram –positive organisms. Agar is a solidifying agent.The growth of E. coli O157:H7 on MacConkey Agar with Sorbitolshows colorless colonies and most of the fecal flora ferment sorbitol and appear pink. MacConkey Agar with Sorbitol thereforepermits ready recognition of E. coli O157: H7which ferments lactose but does not ferment sorbitol, henceproduces colorless colonies.		
(I) QC Tests		
pH:	7.1 ± 0.2	
Color:	Purplish red coloured medium	
Appearance:	Sterile MacConkey Sorbitol Agar in 85 mm disposable plate.	
(II) Sterility test	Passes release criteria	
(III) Q.C. Test Microbiological		
Cultural response wasobserved after an incubation at 30-35°C for 18-72 hours.		
MICROORGANISM (ATCC)	GROWTH	COLOR OF COLONY
Escherichia coli 25922	luxuriant	Pale pink-red
Escherichia coli serotype 011 and 055	luxuriant	Pale pink-red
Escherichia coli 0157:H7	luxuriant	Colorless
S. serotype typhi 6539	Fair to good	Colorless
Shigella flexneri 12022	luxuriant	Colorless

TECHNICAL SHEET

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	for isolation and identification of enteropathogenic Escherichia coli strains associated with infant diarrhoea.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal ortherapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.