BIOMARK Laboratories – INDIA

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TECHNICAL SHEET

D/33	B753 Sorbitol Agar (Sorbitol MacConkey Agar)							
Formula			<u>-</u>					
Ingredients :		gms/lit.						
		17.0	00					
Proteose peptone		3.00	3.00					
D-Sorbitol		10.0	00					
Bile salts mixture		1.50)					
Sodium chloride		5.00)					
Crystal violet		0.00	01					
Neutral red		0.03	3					
Agar		13.5	5					
Final pH (at 25°C)	: 7.1+ 0.2							
Directions :	_							
should be dry whe	n inoculated.	pour	r into sterile Pe	etri plates. The surface o	of the	med	ium	
fermentable carbo a colour change in	hydrate. When Sorb	itol i neutr	s fermented, a ral red). Crysta	rogen and other nutrients local pH drop around the l violet and Bile salt is so solidifying agent.	color	ny cau	ises	
fermentable carbo a colour change in that inhibit growth	hydrate. When Sorb n the pH indicator (r of gram –positive or	itol i neutr	s fermented, a ral red). Crysta	local pH drop around the violet and Bile salt is se	color	ny cau	ises	
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Luxuriant

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Precautions:

(NCTC29900)

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1. For Laboratory Use.

Escherichia coli serotype O11 and

Escherichia coli O157:H7

2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Colourless

Colourless

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TECHNICAL SHEET

Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. Although MacConkey media are selective primarily for gram – negative enteric bacilli, biochemical and, if indicated, serological testing using pure cultures are recommended for complete identification. Consult appropriate references for further information. 3. MacConkey Sorbitol Agar however should not be solely used to detect pathogenic E.coli O157: H7 strains as some nontoxic strains will also not ferment sorbitol.								
Use :	For isolation and identification of enteropathogenic Escherichia coli strains associated with infant diarrhea.								
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Packing :	500 gm. bottle								
Product profile:		Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization				
B753	50.03 g/L	9.99L	7.1 <u>+</u> 0.2	NIL	121°C /15 min.				