BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B641 PHENOL RED TARTARATEAGAR								
Formula								
Ingredients :			gms/lit.					
Peptic digest of animal tissue			10.00					
Sodium potassiun	n tartrate	10.0	.0.00					
Sodium chioride		5.0	5.00					
Phenol red			0.024					
Ayaı Final nH (at 25%)	1 + 76 + 02	15.	50					
Suspend 40.02 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely								
Dispense into tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed								
medium to cool in an upright position.								
Principle :								
Peptic digest of	animal tissue in t	the med	ium provide the essential growth nutrients like nitrogenous					
compounds to the	e organisms. Sodiu	im potas	sium tartrate is used most frequently because it is easy to be					
utilized by the or	ganism. Tartrate u	tilization	(fermentation) yields an acidic reaction, which is indicated by					
the yellow colour	formation at the	bottom (of the tube. Phenol red acts as the pH indicator while sodium					
chloride maintain	s the osmotic balar	nce of th	e medium.					
QC Tests - (I)Deh	ydrated Medium							
Colour :		L	Light yellow to pink					
Appearance :		F	lomogeneous Free Flowing powder					
(II)Rehydrated m	edium							
pH (post autoclaving/heating) :			7.6 ± 0.2					
Colour (post autoclaving/heating) :			Red to orange red					
Clarity (post a	utoclaving/neating): (lear to slightly opalescentgel forms in tubes as butts					
(III)Q.C. Test M	ICFODIOIOGICAI	ofter an	insulation at 2E 270C for 24 49 hours (may be unto 72					
	cteristics observed	alter all	incubation at 55-57°C for 24-46 hours (may be upto 72					
Escherichia co	Escherichia coli (25922)		uriant positive reaction, vellow colour in the lower portion of the					
		Luxunun	tube					
Salmonellas		Luxurian	nt negative reaction					
Schottmuelleri(10719)								
Colmonalla tratinguium		Luvurion	t Acid Production + positive reaction vellow colour					
		Luxuilai						
Salmonella Tynhi (6539)		Luxuriar	positive reaction, vellow colour in the lower portion of the					
		Luvuriar	ant positive reaction, yellow colour in the lower portion of the					
Proteus Vulgaris (13315) Lu.		Luxuria	and positive reaction, yellow colour in the lower portion of the					
		Luxuria	nt positive reaction, yenow colour in the lower portion of the					
Salmonella Paratyphi A (9150) Lux		Luxuriar	t negative reaction					
Salmonella Paratyphi B (8739) Luxi		Luxuriar	negative reaction					
Vibrio parahaemolyticus Luxu		Luxuriar	t positive reaction, yellow colour in the lower portion of the					
(17802)			tube					
Precautions :	1. For Laboratory Use.							
	2. Follow proper, established laboratory procedures in handling and disposing of							
	ntectious materials.							
Limitations :	imitations : 1. Since the nutritional requirements of organisms vary, some strains may be							
	encountered that fail to grow or grow poorly on this medium.							
	2. The addition of some carbonyurates to the basal medium may cause an acid reaction.							
	dron - by - dron basis. Take care not to make the medium too alkaling, which would							
	prevent fermentation from occurring within the usual incubation period.							
	3. When inoculating tubes, stab gently and do not use a loop. Rough stabbing or using a							
	loop to stab may	give the	loop to stab may give the false appearance of gas production when mechanical splitting					

Refer disclaimer Overleaf

Rev: December 2020

BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

	of the medium is what actually occurred.								
Use :	It is recommended for identification and differentiation of Salmonella species on the basis								
	of tartrate utilization								
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
Packing :	500 gm. bottle								
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization				
B641	40.02 g/l	12.49 L	7.6 <u>+</u> 0.2	Nil	121°C / 15 minutes				

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 or therapeutic 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.