

TECHNICAL SHEET

B640	PFIZER SELECTIVE ENTEROCOCCUS AGAR					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate	17.00					
Peptic digest of animal tissue	3.00					
Yeast extract	5.00					
Bile salt	10.00					
Sodium chloride	5.00					
Sodium citrate	1.00					
Esculin	1.00					
Ferric ammonium citrate	0.50					
Sodium azide	0.25					
Agar	15.00					
Final pH (at 25°C) :		7.1 ± 0.2				
Directions :						
Suspend 58 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense as desired & Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate, peptic digest of animal tissue and yeast extract provide the nutrients like nitrogenous compounds, carbon, sulphur, vitamin B complex and trace ingredients for the growth of Enterococci. Esculin, a glycoside which is hydrolyzed by Enterococci to esculetin and dextrose. Esculetin reacts with ferric ammonium citrate to form a dark brown to black coloured complex. Bile salts and sodium azide inhibit gram – positive (except Enterococci) and gram – negative bacteria respectively.						
QC Tests – (I) Dehydrated Medium						
Colour :	Light to medium yellow					
Appearance :	Homogeneous Free Flowing powder					
(II) Rehydrated medium						
pH (post autoclaving/heating) :	7.1 ± 0.2					
Colour (post autoclaving/heating) :	Light amber					
Clarity (post autoclaving/heating) :	Clear to slightly opalescent with bluish tinge					
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs at 35-37°C.						
MICROORGANISM (ATCC)	GROWTH	ESCULIN HYDROLYSIS				
Enterococcus faecalis (29212)	Luxuriant	+				
Staphylococcus aureus (25923)	Fair to good	-				
Enterobacter aerogenes (13048)	Inhibited	-				
Escherichia coli (25922)	Inhibited	-				
Key: + = blackening around the colony.						
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. 3. Sodium azide has a tendency to form explosive metal azides with plumbing materials. It is advisable to use enough water to flush off the disposables.				
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 selective isolation and cultivation of Enterococci.				
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
B640	58g/l		8.620L	7.1 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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.