

B672	PHENOL RED EGG YOLK POLYMYXIN AGAR BASE (MYP AGAR BASE)				
Formula					
Ingredients :					
		gms/lit.			
Peptic digest of animal tissue	10.00				
Meat extract	1.00				
D-Mannitol	10.00				
Sodium chloride	10.00				
Phenol red	0.025				
Agar	15.00				
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 46.03 grams in 900 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 55°C. Aseptically add rehydrated contents of 2 vials of sterile Polymyxin B Sulphate (BF005) solution to a final concentration of 100 units per ml and 100 ml sterile Egg Yolk Emulsion (BF003). Mix well and pour into sterile Petri plates.					
Principle:					
Peptic digest of animal tissue and meat extract, which provide nitrogen source. Mannitol fermentation can be detected by phenol red, which yields yellow colour to the mannitol fermenting colonies due to acid production. Added egg yolk emulsion helps in differentiation of lecithinase producing colonies, which are surrounded by a zone of white precipitate. Addition of Polymyxin B Sulphate (BF005) helps to restrict growth of gram-negative bacteria.					
QC Tests – (I) Dehydrated Medium					
	Colour :	Light yellow to light pink			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.1 ± 0.2			
	Colour (post autoclaving/heating) :	A) Basal medium : Red B) (After addition of Egg Yolk Emulsion) : Light orange			
	Clarity (post autoclaving/heating) :	A) Clear to slightly opalescent B) Opaque			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed with added Egg Yolk Emulsion (BF003) and Polymyxin B Sulphate (BF005) after an incubation at 32°C for 18-40 hours.				
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	LECITHINASE	
	Bacillus subtilis (6633)	Luxuriant	Yellow	Negative	
	Bacillus cereus (10876)	Luxuriant	Red	Positive, opaque zone around the colony	
	Proteus mirabilis (25933)	Luxuriant	Red	Negative	
	Staphylococcus aureus (25923)	Luxuriant	Yellow	Positive, opaque zone around the colony	
	Escherichia coli (25922)	None – poor	--	Negative	
	Pseudomonas aeruginosa (27853)	None – poor	--	Negative	
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 pathogenic Staphylococci and Bacillus species.				
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
B672	46.03 g/l	10.862L	7.1 ± 0.2	Egg Yolk Emulsion (BF003) and Polymyxin B Sulphate (BF005)	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 BIOMARK LABORATORIES 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.