

TECHNICAL SHEET

B459	PENTACHLORO ROSE BENGAL YEAST EXTRACT AGAR BASE(PRYES AGAR)				
Formula					
Ingredients :		gms/lit.			
Sucrose		150.00			
Yeast extract		20.00			
Pentachloronitrobenzene		0.10			
Rose Bengal		0.025			
Chloramphenicol		0.050			
Agar		20.00			
Final pH (at 25°C) : 5.6± 0.2					
Directions :					
Suspend 190.180 gms. in 1000ml. distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of Chlortetracycline Selective Supplement (BF027). If required, adjust the pH of the medium with sterile tartaric acid after autoclaving. Mix well and pour the medium into sterile petri plates and do not invert the plates.					
Principle :					
The medium consists of yeast extract, sucrose (YES) as the basal medium and pentachloronitrobenzene and rose Bengal and hence the name PRYES. The medium is also supplemented with Chloramphenicol and Chlortetracycline. This combination is more effective in inhibiting bacteria than the Chloramphenicol alone. This medium distinguishes between produces of ochratoxin A and citrinin and producers of xanthomegnin and viomellein. Ochratoxin and citrinin producing <i>Penicillium viridicatum</i> strains form a violet brown pigment seen on the reverse side of colony. Xanthomegnin and viomellein producing <i>Penicillium viridicatum</i> and <i>Penicillium cyclopium</i> produce a yellow pigment seen on the reverse side of the colony.					
QC Tests - (I) Dehydrated Medium					
	Colour :	Light yellow to pink			
	Appearance :	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	5.6 ± 0.2			
	Colour (post autoclaving/heating) :	Pink			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
	Cultural characteristics observed with added Chlortetracycline Selective Supplement (BF027), after an incubation at 25-30°C for 48-72 hours.				
	MICROORGANISM (ATCC)	GROWTH			
	<i>Penicillium viridicatum</i> (10515)	Luxuriant			
	<i>Staphylococcus aureus</i> (25923)	Inhibited			
	<i>Escherichia coli</i> (25922)	Inhibited			
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 :	Pentachloro Rose Bengal Yeast Extract Agar (PRYES Agar) is recommended for the cultivation and differentiation of nephrotoxin producing strains of <i>Penicillium viridicatum</i> and related species isolated from foods in accordance with APHA.				
Storage :	Dehydrated medium- between 15-25°C Prepared medium- Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B459	190.180g/l	2.629L	5.6 ± 0.2	Chlortetracycline Selective Supplement (BF027)	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.

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