

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B303</b>	<b>PSEUDOMONAS AGAR ( FOR PYOCYANIN)</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		20.00				
Potassium sulphate		10.00				
Magnesium chloride		1.40				
Agar		15.00				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 46.4 grams in 1000 ml purified / distilled water containing 10 ml glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Peptone provides the carbon and nitrogen sources required for good growth. Glycerol is a carbon source. Magnesium chloride and potassium sulfate stimulate pyocyanin production. Agar is a solidifying agent.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 48 hrs. at 35 - 37°C.						
MICROORGANISM (ATCC )		GROWTH		COLOUR OF MEDIUM		
Pseudomonas aeruginosa (27853)		Luxuriant		Blue - green		
Pseudomonas aeruginosa (9027)		Luxuriant		Blue - green		
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For detection of pyocyanin by Pseudomonas species.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B303</b>	46.4g/l		10.775L	7.0 ± 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 BIOMARK LABORATORIES publications.

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