

**TECHNICAL SHEET**

<b>B1354</b>	<b>KING A AGAR</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Proteose peptone		20.00			
Potassium sulphate		10.00			
Magnesium chloride, anhydrous		1.64			
Agar		15.00			
Final pH (at 25°C) :		7.3 ± 0.2			
<b>Directions :</b>					
Suspend 46.64 grams in 1000 ml distilled water containing 10 ml of glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Aseptically pour into sterile Petri plates.					
<b>Principle :</b>					
Proteose peptone, which provides carbonaceous and nitrogenous compounds for the growth of bacteria. Glycerol serves as a source of energy and also enhances pigment production. Magnesium chloride, potassium sulphate and magnesium chloride also enhances pigment production.					
<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) :		7.3 ± 0.2			
Colour (post autoclaving/heating) :		Cream to yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 24 hrs. at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH		PIGMENT PRODUCTION	
Pseudomonas aeruginosa (27853)		good-luxuriant		Blue - green	
Pseudomonas aeruginosa (17934)		good-luxuriant		Blue - green	
Pseudomonas aeruginosa (9027)		good-luxuriant		Blue - green	
Burkholderia cepacia (25609)		good-luxuriant		no pigment	
<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>		It is used for non-selective isolation, cultivation and pigment production of 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>B1354</b>	46.64g/l	10.720 L		7.3 ± 0.2	Glycerol 121°C / 15 minutes

**Disclaimer:**

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