

**TECHNICAL SHEET**

<b>B1555</b>	<b>PIKOVSKAYA'S BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Yeast extract		0.50				
Dextrose		10.00				
Calcium phosphate		5.00				
Ammonium sulphate		0.50				
Potassium chloride		0.20				
Magnesium sulphate		0.10				
Manganese sulphate		0.0001				
Ferrous sulphate		0.0001				
Final pH (at 25°C): Self						
<b>Directions :</b>						
Suspend 16.3 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Dispense as desired.						
<b>Principle :</b>						
It is recommended for detection of phosphate solubilizing microorganisms. Calcium phosphate acts as the source of Phosphates. Dextrose acts as energy source. Different salts & yeast extract supports the growth of organisms.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		White to light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
PH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		White with flocculant precipitate				
Clarity (post autoclaving/heating) :		Opaque solution forms in tubes.				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 48 hours (by spot inoculation on Pikovskaya's Agar).						
MICROORGANISM (ATCC )		GROWTH		PHOSPHATE SOLUBILIZATION		
Aspergillus niger (16404 )		Luxuriant		+		
Penicillium notatum (10108)		Luxuriant		+		
Pseudomonas aeruginosa (27853)		Luxuriant		+		
Bacillus subtilis (6633)		Good		( + )		
Key: + = clear zone surrounding the colony (+) = moderate clear zone surrounding the colony.						
<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 phosphate solubilizing soil microorganisms.				
<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>B1555</b>	16.3g/l	30.674L	Self	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.

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