

**TECHNICAL SHEET**

<b>B1468</b>	<b>NUTRIENT AGAR FOR OXIDASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		1.00				
Meat extract		1.00				
Sodium chloride		5.00				
Agar		15.00				
Final pH (at 25°C) : 7.3 ± 0.2						
<b>Directions :</b>						
Suspend 22 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Peptic digest of animal tissue and meat extract provide nitrogenous compounds, carbon, sulphur and trace ingredients. Sodium chloride maintains osmotic equilibrium. The isolated colony is used for oxidase testing on an impregnated filter paper. A dark purple colour that develops within 10 seconds is a positive oxidase test.						
<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) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent solution				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC )		GROWTH	OXIDASE			
Aeromonas hydrophila (7966)		Luxuriant	positive reaction, deep purple blue colour develops within 10 seconds			
Escherichia coli (25922)		Luxuriant	negative reaction			
Enterobacter aerogenes (13048)		Luxuriant	negative reaction			
Pseudomonas aeruginosa (27853)		Luxuriant	positive reaction, deep purple blue colour develops within 10 seconds			
Vibrio cholera (15748)		Luxuriant	positive reaction, deep purple blue colour develops within 10 seconds			
<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 confirmation of presence of oxidase in microorganisms in water by International Organization for Standardization (ISO), 1990, Draft, ISO/DIS 9308-1.				
<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>B1468</b>		22.0 g/l	22.72 L	7.3 ± 0.2	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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