

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1240</b>	<b>OXACILLIN RESISTANT SCREENING AGAR BASE</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of Animal Tissue		11.80			
Sodium chloride		55.00			
Yeast extract		9.00			
Mannitol		10.00			
Lithium chloride		5.00			
Aniline blue		0.20			
Agar		12.50			
<b>Final pH (at 25°C) :</b> 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 51.75 gms in 500 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50 C and aseptically add rehydrated contents of 1 vial of Oxacillin resistant selective supplement (BF127). Mix well and dispense as desired. WARNING: Lithium chloride is harmful. Avoid bodily contact and inhalation of vapors. On contact with skin wash with plenty of water immediately.					
<b>Principles :</b>					
This is a very simple formulation containing only Oat Meal and Agar. However, Oat Meal has enough nutrients to enhance the growth of fungi. Agar acts as the solidifying agent.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Yellow to grayish yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating):		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Cream			
Clarity (post autoclaving/heating) :		Slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed with added Oxacillin Resistance Selective Supplement on incubation at 35-37 <sup>0</sup> C. for 18-24 hours					
MICROORGANISM (ATCC)		GROWTH			
Staphylococcus aureus(29213)		Inhibited (as susceptible to oxacillin)			
Staphylococcus aureus(38591)		Fair to Good (presence of colony or haze of growth be read as resistance)			
<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 screening Oxacillin resistant organisms				
<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>B1240</b>	103.5 g/l	4.830 L	7.2 ± 0.2	Oxacillin resistant selective supplement	121 <sup>0</sup> C/15 min.

**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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