

**TECHNICAL SHEET**

<b>B311</b>	<b>SABOURAUD DEXTROSE MALTOSE BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		5.00			
Peptic digest of animal tissue		5.00			
Dextrose		10.00			
Maltose		10.00			
Final pH (at 25°C) :		5.4 ± 0.2			
<b>Directions :</b>					
Suspend 30.0 grams in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. DO NOT OVERHEAT. Mix well and dispense as desired.					
<b>Principle :</b>					
Casein enzymic hydrolysate and peptic digest of animal tissue provide nitrogen, vitamins, minerals, amino acids and growth factors. Dextrose and maltose provide an energy source for the growth of microorganisms. The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens. The acid reaction of the final medium is inhibitory to a large number of bacteria making it particularly useful for cultivating fungi and aciduric microorganisms.					
<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) :	5.4 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 25-30°C for upto 5 days.					
MICROORGANISM (ATCC )	GROWTH				
Aspergillus niger (16404 )	Luxuriant				
Candida albicans (10231 )	Luxuriant				
Pencillium notatum (10108)	Luxuriant				
Trichophyton mentagrophytes (9533)	Luxuriant				
Trichophyton gallinae (22243)	Luxuriant				
Trichophyton rubrum (28191)	Luxuriant				
Trichopyton ajelloi (24885)	Luxuriant				
Saccharomyces cerevisiae (9763 )	good-luxuriant				
Escherichia coli (25922)	Good-luxuriant (inhibited on media with low pH)				
Lactobacillus casei (9595 )	good-luxuriant				
<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. 2. Avoid overheating a medium with an acidic pH because this often causes a soft medium.				
<b>Use :</b>	It is used for the cultivation of molds, yeasts and aciduric organisms as well as testing antimycotic substances.				
<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>B311</b>	30g/l	16.666L	5.4 ± 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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