

TECHNICAL SHEET

B359	WORT AGAR					
Formula						
Ingredients :			gms/lit.			
Malt extract			15.00			
Peptic digest of animal tissue			0.78			
Maltose			12.75			
Dextrin			2.75			
Dipotassium phosphate			1.00			
Ammonium chloride			1.00			
Agar			15.00			
Final pH (at 25°C) : 4.8 ± 0.2						
Directions :						
Suspend 48.28 grams in 1000 ml distilled water containing 2.35 grams of glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour in sterile Petri plates.						
Principle :						
In this medium peptic digest of animal tissue and malt extract provide nitrogenous and other nutrients for the growth of yeasts. Dextrin and maltose are fermentable carbohydrates. The high acidic pH inhibits many bacteria. Do not re-liquefied agar medium as it may cause alteration of medium with hydrolysis of agar at low pH and results in failure to gel when cooled.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light yellow to brownish yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		4.8 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed with added glycerol after an incubation at 25-30°C for 40-48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Aspergillus niger (16404)		luxuriant				
Saccharomyces cerevisiae (9763)		luxuriant				
Saccharomyces uvarum (28098)		luxuriant				
Candida albicans (10231)		luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		For the cultivation and enumeration of yeasts.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B359		48.28 g/l	10.35 L	4.8 ± 0.2	Nil	121°C/15 min.