B364	YEAST MORPHOLOGY AGAR	
Formula		
Ingredients :	**gms/lit.**	
Ammonium sulphate	3.50	
Aspargine	1.50	
Dextrose	10.00	
L-histidine hydrochloride	0.01	
DL-methionine	0.02	
DL-tryptophan	0.02	
Biotin	0.000002	
Calcium pantothenate	0.0004	
Folic acid	0.000002	
Inositol	0.002	
Niacin	0.0004	
p-Amino benzoic acid (PABA)	0.0002	
Pyridoxine hydrochloride	0.0004	
Riboflavin (vitamin B2)	0.0002	
Thiamine hydrochloride	0.0004	
Boric acid	0.0005	
Copper sulphate	0.00004	
Potassium iodide	0.0001	
Ferric chloride	0.0002	
Manganese sulphate	0.0004	
Sodium molybdate	0.0002	
Zinc sulphate	0.0004	
Monopotassium phosphate	1.00	
Magnesium sulphate	0.50	
Sodium chloride	0.10	
Calcium chloride	0.10	
Agar	18.00	

Final pH (at 25°C) : 5.6 ± 0.2

Directions :

Suspend 35 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Pour into sterile petri plates to a depth of 1.5 mm. Allow the media surface to dry for one or two days at room temperature. Use light inoculum and make a single streak and two point inoculations near the other sides of the plate.

Principle :

The medium has been formulated as per Wickerham for studying colonial and cellular morphology of yeasts for classification purpose. For this, the inoculation is done by Dolman plate technique which is an excellent method for studying hyphae of filamentous yeasts. The technique essentially consists of streaking and spotting he inoculum on the same plate and the inoculum is partially covered by sterile cover glasses. In addition to this, the medium can also be used for bioassays of antifungal agents.

QC Tests – (I)Dehydrated Medium		
	Colour :	Creamish white
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	5.6 ± 0.2
	Colour (post autoclaving/heating) :	Light amber
	Clarity (post autoclaving/heating) :	Slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after 6-7 days at 25 - 30°C.	

	MICROORGANISM (ATCC)	GROWTH			
	Kloeckera apiculata (9774)	Good			
	Saccharomyces uvarum (9080)	Good			

Refer disclaimer Overleaf

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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 classification of yeasts on the basis of their colonial characteristics and cell morphology.				
Storage :	Dehydrated medium and prepared medium– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B364	35 g/l	14.28 L	5.6 $\pm$ 0.2	Nil	121^0C/15 min.