

<b>B366</b>	<b>YEAST NITROGEN BASE W/O AMINO ACIDS</b>	
<b>Formula</b>		
<b>Ingredients :</b>	<b>gms/lit.</b>	
Ammonium sulphate	5.00	
Monopotassium phosphate	1.00	
Magnesium sulphate	0.50	
Sodium chloride	0.10	
Calcium chloide	0.10	
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	
Biotin	0.000002	
Calcium pantothenate	0.0004	
Folic acid	0.000002	
Inositol	0.002	
Niacin	0.0004	
p-Amino benzoic acid (PABA)	0.0002	
Riboflavin (vitamin B2)	0.0002	
Pyridoxine hydrochloride	0.0004	
Thiamine hydrochloride	0.0004	
Final pH (at 25°C) : 5.4 ± 0.2		
<b>Directions :</b>		
For the results the medium is prepared in 10X strength. Suspend 6.7 gms. in 1000ml. distilled water. add 5 gms. dextrose or an equivalent amount of other carbohydrate and other chemicals like amino acids that modify growth of yeasts as desired. Ensure complete solution and sterilize by filtration. For the use, dilute 0.5 ml. 10X medium to make 5 ml. with sterile distilled water. Mix well.		
<b>Principle :</b>		
Yeast Nitrogen Base w/o Amino acids is formulated as per Wickerham and is used for investigating amino acid and carbohydrate requirement of yeasts. This medium has the same composition as Yeast Nitrogen Base medium except the amino acids histidine, methionine and tryptophan. Inoculate media tubes with very light inoculum and incubate at 25°C for 6-7 days and again for 20-24 days. Draw lines with India ink on a paper. If lines are not seen or appear diffused through the culture, the test is considered positive and if lines are distinguishable, test is considered negative.		
<b>QC Tests – (I) Dehydrated Medium</b>		
Colour :	White to cream	
Appearance :	Homogeneous Free Flowing powder	
<b>(II) Rehydrated medium</b>		
pH (post autoclaving/heating) :	5.4 ± 0.2	
Colour (post autoclaving/heating) :	Colourless to light yellow	
Clarity (post autoclaving/heating) :	Clear	
<b>(III) Q.C. Test Microbiological</b>		
Cultural characteristics observed after 6-7 (longer if necessary upto 24 days) days at 25 - 30°C.		
MICROORGANISM (ATCC )	GROWTH (PLAIN)	GROWTH WITH DEXTROSE
Kloeckera apiculata (9774)	None – poor	Good
Saccharomyces uvarum (9080)	None – poor	Good

Refer disclaimer Overleaf

**TECHNICAL SHEET**

<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 investigating carbon and nitrogen requirements of yeasts.				
<b>Storage :</b>	Dehydrated medium and 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>B366</b>	6.7 g/l	74.62 L	5.4 ± 0.2	Nil	FILTRATION

**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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