

TECHNICAL SHEET

B598	LYSINE MEDIUM					
Formula						
Ingredients :		gms/lit.				
Dextrose		44.50				
Monopotassium phosphate		1.78				
Magnesium sulphate		0.89				
Calcium chloride		0.178				
Sodium chloride		0.089				
Adenine		0.00178				
DL-methionine		0.000891				
L-histidine		0.000891				
DL-tryptophan		0.000891				
Boric acid		0.0000089				
Zinc sulphate		0.0000356				
Amonium molybdate		0.0000178				
Manganese sulphate		0.0000356				
Ferrous sulphate		0.0002225				
L-lysine		1.00				
Inositol		0.02				
Calcium pantothenate		0.002				
Aneurine		0.0004				
Pyridoxine		0.0004				
p-Amino benzoic acid		0.0002				
Nicotinic acid		0.0004				
Riboflavin		0.0002				
Biotin		0.000002				
Folic acid		0.000001				
Agar		17.80				
Final pH (at 25°C) : 5.0 ± 0.2						
Directions :						
Suspend 6.6 gms. in 100 ml distilled water containing 1 ml potassium lactate (50%). Boil to dissolve the medium completely. Cool to 50°C, adjust pH to 5.0 with 10% lactic acid and pour into sterile plates at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Lysine Medium contains Dextrose as the carbohydrate. L-Lysine is the nitrogen source. Essential vitamins, salts, amino acids and other nutrients are present in defined amounts. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
Colour :		Off white to white				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		5.0 ± 0.2				
Colour (post autoclaving/heating) :		Straw to colourless				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after at 25°C up to 7 days.						
MICROORGANISM (ATCC)		GROWTH				
Pichia fermentans (10651)		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 isolation and enumeration of wild yeasts in pitching 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
B598		66.27 g/l	7.54 lit	5.0 ± 0.2	Potassium lactate (50%)	121°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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