B1273	**SABOURAUD DEXTROSE AGAR**
Formula	
Ingredients :	**gms/lit.**
Mixture of peptic digest of animal tissue & pancreatic digest of casein (1:1)	10.000
Dextrose	40.000
Agar	15.000
Final pH (at 25°C) : 5.6 ± 0.2	
Directions :	
Suspend 65 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.	
Principle :	
Peptic digest of animal tissue and pancreatic digest of casein provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens	

QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to light yellow
	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) :	Clear to slightly opalescent
	Growth Promotion Test	Growth Promotion was carried out in accordance with the method of USP, after an incubation at 30-35 °C for 24-48 hours. Recovery rate is considered as 100% for bacteria growth on Casein Soyabean Digest Agar and fungus growth on Sabouraud Dextrose Agar.
	Growth Promoting Properties	Growth of microorganism comparable to that previously obtained with previously tested and approved lot of medium occurs at the specified temperature for not more than the shortest period of time specified inoculating <= 100 cfu (at 30-35°C for <=24 hours).
	Indicative properties	Colonies are comparable in appearance and indication reaction to those previously obtained with previously tested and approved lot of medium occurs for the specified temperature for a period of time within the range specified inoculating <=100cfu (at 30-35°C for 24-48 hours).

(III)Q.C. Test Microbiological				
	Cultural Response:			
	MICROORGANISM (ATCC)	GROWTH	Incubation temperature	Incubation period
	Growth Promotion + Indicative:			
	Candida albicans 10231	Luxuriant (white colonies)	30 -35 °C	24-48 hrs
	Growth Promotion + Total yeast and mould count:			
	Candida albicans 10231	Luxuriant	20 -25 °C	<=5 d
	Aspergillus niger 16404	Luxuriant	20 -25 °C	<=5 d
	Additional Microbiological Testing:			
	Candida albicans (2091)	Luxuriant	30 -35 °C	24-48 hrs

Refer disclaimer Overleaf

	Trychophyton rubrum (28191)	Luxuriant	20 -25 °C	<=5 d
	Saccharomyces cerevisiae (9763)	Luxuriant	30 -35 °C	24-48 hrs
	Escherichia coli (25922)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs
	Escherichia coli (8739)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs
	Escherichia coli (NCTC9002)	Good (inhibited on media with lower pH.)	30 -35 °C	24-48 hrs
	Lactobacillus casei (334)	Luxuriant	30 -35 °C	24-48 hrs

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.
	2. Avoid overheating a medium with an acidic pH because this often causes a soft medium.
Use :	For cultivation of yeasts, moulds and aciduric microorganisms as per U.S.P.
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
B1273	65g/l	7.692L	5.6 ± 0.2	NIL	121^0C / 15 minutes