

**BIOMARK Laboratories-INDIA**

[www.biomarklabs.com](http://www.biomarklabs.com)

**TECHNICAL SHEET**

<b>BH1273</b>	<b>SABOURAUD DEXTROSE AGAR</b>			
<b>Formula</b>				
<b>Ingredients:</b>	<b>gms/lit.</b>			
Mixture of Peptone & Tryptone (1:1)	10.00			
Dextrose (Glucose)	40.00			
Agar	15.00			
Final pH (at 25°C) :	5.6 ± 0.2			
<b>Directions :</b>	Suspend 65.0 grams in 1000 ml purified/ distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes or as per validated cycle. Cool to 45-50°C. Mix well and pour into sterile Petri plates.			
<b>Principle :</b>	Peptone and Tryptone provides carbonaceous, nitrogenous compounds, long chain amino acids, vitamins and other essential growth nutrients. Dextrose (Glucose) provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens.			
<b>QC Tests – (I) Dehydrated Medium</b>				
	Colour :	Cream to yellow		
	Appearance :	Homogeneous Free Flowing powder		
<b>(II) Rehydrated medium</b>				
	pH (post autoclaving/heating) :	5.6 ± 0.2		
	Colour (post autoclaving/heating) :	Light yellow to yellow		
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
<b>(III) Q.C. Test Microbiological</b>				
	Cultural characteristics observed after 24 – 48 hrs. At 30-35°C.			
	<b>MICROORGANISM (ATCC )</b>	<b>GROWTH</b>	<b>INCUBATION TEMPERATURE</b>	<b>INCUBATION PERIOD</b>
	Candida albicans (10231)	Luxuriant	30 -35 °C	24 -48 hrs
	Candida albicans (10231)	Luxuriant	20 -25 °C	24 -48 hrs
	Aspergillus niger (16404)	Luxuriant	20 -25 °C	<=5 Days
	Candida albicans ATCC 2091	Good	30 -35 °C	24 -48 hrs
	Saccharomyces cerevisiae (9763)	Luxuriant	30 -35 °C	24 -48 hrs
	Escherichia coli (25922)	Good*	30 -35 °C	24 -48 hrs
	Escherichia coli (8739)	Good*	30 -35 °C	24 -48 hrs
	Escherichia coli (NCTC9002)	Good*	30 -35 °C	24 -48 hrs
	Trichophyton rubrum ATCC 28191	Good	20 -25 °C	°C <=5 d
	Lactobacillus casei (334)	Luxuriant	30 -35 °C	24 -48 hrs
	Key * = inhibited on media with lower pH.			
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. Wear protective gloves/protective clothing/eye protection/face protection.			
<b>Limitations :</b>	1. For heavily contaminated samples, the media must be supplemented with inhibitory agents for inhibiting bacterial growth with lower pH 2. Avoid overheating a medium with an acidic pH because this often causes a soft medium. 3. Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in safety cabinet. 4. Further biochemical tests should be carried out for confirmation.			
<b>Use:</b>	For the cultivation of yeasts, moulds and aciduric bacteria from pharmaceutical products in accordance with the microbial limit testing by harmonized methodology of USP/EP/BP/JP .			
<b>Storage :</b>	Dehydrated medium- below 30°C & Prepared medium – Between 2 to 8°C.			
<b>Packing :</b>	500 gm. bottle			

**BIOMARK Laboratories-INDIA**[www.biomarklabs.com](http://www.biomarklabs.com)**TECHNICAL SHEET**

<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>BH1273</b>	65.0 g/l	7.69 L	5.6 ± 0.2	Nil	121 <sup>0</sup> C/15min

**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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.