

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B466</b>		<b>PAGANO LEVIN BASE</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		10.00				
Yeast extract		1.00				
Dextrose		40.00				
Agar		15.00				
Final pH (at 25°C) : 6.0 ± 0.2						
<b>Directions :</b>						
Suspend 33 grams in 490 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C. Aseptically add 5 ml of TTC solution 1% (BF044). Mix well. Then add 5 ml of rehydrated contents of 1 vial of Neomycin Supplement (BF106). Mix well and pour into sterile Petri plates.						
<b>Principle :</b>						
Peptic digest of animal tissue provides carbon and nitrogen source required for good growth of Candida species. Yeast extract provides vitamins and cofactors. Dextrose is an energy source. TTC Solution 1%, added to the basal medium, facilitates the differentiation of yeast colonies based on the color change that occurs when Candida reduces TTC. Neomycin helps to inhibit growth of most of the accompanying bacteria.						
<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) :		6.0 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C with added TTC solution (BF044) and Neomycin Supplement (BF106).						
MICROORGANISM (ATCC )		GROWTH		COLOUR OF COLONY		
Candida albicans (10231)		good		cream to light pink		
Candida parapsilosis		good		red to maroon		
Candida krusei(24408)		good		white to cream spreading		
Candida tropicalis (750)		good		red to maroon		
Escherichia coli(25922)		inhibited		---		
<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>		It is used for isolating and differentiating Candida species.				
<b>Storage :</b>		Dehydrated medium- below 30°C 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>B466</b>		66.0 g/l	7.575 L	6.0 ± 0.2	TTC solution 1% (BF044)& Neomycin Supplement (BF106)	121°C / 15 minutes