

**TECHNICAL SHEET**

<b>B1806</b>		<b>SABOURAUD CHLORAMPHENICOL BROTH</b>			
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		5.00			
Peptic digest of animal tissue		5.00			
Dextrose		20.00			
Chloramphenicol		0.05			
Final pH (at 25°C) : 5.6 ± 0.2					
<b>Directions :</b>					
Suspend 30.05 gms. 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.					
<b>Principle :</b>					
Sabouraud Dextrose Broth contains Peptic digest of animal tissue and Casein enzyme hydrolysate, which provide the carbon and nitrogen required for growth of a wide variety of organisms. Dextrose is included as an energy source. Sabouraud Chloramphenicol Broth contains chloramphenicol which inhibits a wide range of Gram positive and Gram negative bacteria making the medium selective for fungi.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Cream to light yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		5.6 ± 0.2			
Colour (post autoclaving/heating) :		Cream to light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48 – 72 hrs. at 30°C.					
MICROORGANISM (ATCC )		GROWTH	GROWTH WITH CHLORAMPHENICOL		
Aspergillus niger (16404 )		Luxuriant	Luxuriant		
Candida albicans (10231 )		Luxuriant	Luxuriant		
Trychophyton rubrum (28191)		Luxuriant	Luxuriant		
Saccharomyces cerevisiae (9763 )		Luxuriant	Luxuriant		
Escherichia coli (25922)		Luxuriant*	Inhibited		
Lactobacillus casei (9595 )		Luxuriant	Inhibited		
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.			
<b>B709 :</b>		3. TOXIC. May cause cancer. Possible risk of harm to the unborn child. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Blood, Nerves, Lymph Glands, Eyes.			
<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. 2. Antimicrobial agents incorporated into a medium to inhibit bacteria may also inhibit certain pathogenic fungi. 3. Avoid overheating a medium with an acidic pH because this often causes a soft medium.			
<b>Use :</b>		<b>B1806 :</b> For selective cultivation of yeasts and molds.			
<b>Storage :</b>		Dehydrated medium- below 2 to 8 °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>B1806</b>		30.05g/l	16.63 L	5.6 ± 0.2	NIL
					121°C / 15 minutes