

**TECHNICAL SHEET**

<b>B1124</b>	<b>FLUID THIOGLYCOLLATE W/O AGAR</b>				
<b>Formula</b>	<b>B1124</b>				
<b>Ingredients :</b>	<b>gms/lit.</b>				
Casein enzymichydrolysate	15.00				
Yeast extract	5.00				
Dextrose	5.50				
Sodium chloride	2.50				
L-Cystine	0.50				
Sodium thioglycollate	0.50				
Resazurin	0.001				
Final pH (at 25°C) : 7.1 ± 0.2					
<b>Directions :</b>					
Suspend 29 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes. Cool to 25° C and store in a cool dark place preferably below 25°C. Note : If more than the upper one third has acquired the pink colour, the medium may be restored once by heating in a water bath or in free flowing steam until the pink colour disappears					
<b>Principle :</b>					
Dextrose, casein enzymichydrolysate, yeast extract, L-cystine provide the growth factors necessary for bacterial multiplication. Sodium thioglycollate act as a reducing agent and neutralizes the antibacterial effect of mercurial preservatives and other heavy metal compounds which exert a bacteriostatic effect in the materials under examination. Any increase in the oxygen content is indicated by a colour change of redox indicator, resazurin to red.					
<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) :	7.1 ± 0.2				
Colour (post autoclaving/heating) :	Pink				
Clarity (post autoclaving/heating) :	Clear				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 48-72 hrs.at 35-37°C.					
MICROORGANISM (ATCC )	GROWTH				
*Bacillus subtilis (6633)	Luxuriant				
*Candida albicans (10231 )	Luxuriant				
*Clostridium sporogenes (11437)	Luxuriant				
*Micrococcus luteus (9341)	Luxuriant				
Neisseria meningitides (13090)	Luxuriant				
Streptococcus pyogenes (19615)	Luxuriant				
*Bacteroidesvulgatus (8482)	Fair – good				
* These cultures may be incubated at 25-30°C for 2-7 days.					
<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>	For sterility testing of turbid biological products.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium – At room temperature and away from light.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1124</b>	29g/l	17.34L	7.1 ± 0.2	NIL	121 <sup>0</sup> C / 15 minutes

**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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