

**TECHNICAL SHEET**

<b>B523</b>	<b>FLUID CASEIN DIGEST SOYA LECITHIN MEDIUM (TWIN PACK)</b>					
<b>Formula</b>						
<b>Ingredients :</b>						
			<b>gms/lit.</b>			
<b>Part A :</b>			<b>Part B :</b>			
Casein enzymic hydrolysate	20.00		Polysorbate 20	40.00		
Soya lecithin	5.00					
Final pH (at 25°C) : 7.3 ± 0.2						
<b>Directions :</b>						
Suspend 25 gms of part A in 960 ml distilled water. Heat if necessary to dissolve the medium completely. Add 40 ml of part B. Mix well & sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Fluid Casein Digest Soya Lecithin Medium is recommended by USP for use in Microbial Limit Tests and by the Indian Pharmacopeia for sanitary examination of surfaces. Weber and Black had described the importance of a highly nutritional medium containing neutralizing agents for neutralizing quaternary ammonium compounds. This medium is also recommended by NASA for the microbiological sampling of environmental surfaces sanitized with quaternary ammonium compounds. It is further recommended for microbiological examination of food products, nutritional and dietary supplements. The medium contains tryptone, which provides necessary nutrients for the growth of the organisms. Soya lecithin neutralizes the quaternary ammonium compounds while polysorbate 20 neutralizes phenolic disinfectants, hexachlorophene and formalin.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Part A : Cream to yellow,		Part B : Colourless		
Appearance :		Part A - Homogeneous powder		Part B - Viscous liquid		
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18-24 hrs.at 35-37°C.						
MICROORGANISM (ATCC )		Inoculum (CFU)		GROWTH		
Bacillus subtilis (6633)		50-100		Good - luxuriant		
Candida albicans (10231)		50-100		Good - luxuriant		
Escherichia coli (25922)		50-100		Good - luxuriant		
Staphylococcus aureus (25923)		50-100		Good - luxuriant		
Staphylococcus aureus (6538)		50-100		Good - luxuriant		
Escherichia coli (8739)		50-100		Good - luxuriant		
<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 sanitary examination of surfaces.				
<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>B523</b>		25g/l	20L	7.3+0.2	NIL	121°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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