

TECHNICAL SHEET

B793	SOYABEAN CASEIN DIGEST AGAR W/ YEAST EXTRACT AND HEMIN (TRYPTONE SOYA AGAR W/ YEAST EXTRACT AND HEMIN)					
Formula						
Ingredients :		gms/lit.				
Tomato juice (400 ml)		17.00				
Papaic digest of soyabean meal		3.00				
Sodium chloride		5.00				
Yeast extract		5.00				
Dipotassium phosphate		2.50				
Hemin		0.02				
Agar		13.00				
Final pH (at 25°C) : 7.3 ± 0.2						
Directions :						
Suspend 45.52 grams 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. Mix well and pour into sterile Petri plates.						
Principle :						
Tomato juice serves as a source of carbon, protein and nutrients. Yeast extract and papaic digest of soyabean meal provides essential nutrients like amino acids and vitamins. Dipotassium phosphate provides buffering action to the medium. Hemin provides essential growth for fastidious microorganisms like Bordetella pertussis and Neisseria meningitidis .						
QC Tests – (I)Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.3 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow to medium amber				
Clarity (post autoclaving/heating) :		clear to slightly opalescent gel				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 24 hrs.at 35 – 37°C.						
MICROORGANISM (ATCC)		GROWTH				
Neisseria meningitidis (13090)		good-luxuriant				
Staphylococcus aureus (25923)		good-luxuriant				
Enterococcus faecalis (29212)		good-luxuriant				
Streptococcus pneumoniae (6303)		good-luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		It is recommended for cultivation of fastidious microorganisms like Bordetella pertussis and Neisseria meningitidis .				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B793		45.52 g/l	10.984 L	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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