B706	**MILK AGAR WITH CETRIMIDE (TWIN PACK)**
Formula	
Ingredients :	**gms/lit.**
Part A :	
Skim milk Powder	133.33
Part B :	
Peptic digest of animal tissue	3.33
Sodium chloride	1.67
Yeast extract	1.00
Cetrimide	0.40
Agar	20.00
Final pH (at 25°C) : 7.3 ± 0.2	

Directions :

Suspend 26.4 gms. of Part B in 250 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes. Suspend 133 gms. of Part A in 750 ml of distilled water and sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes. After autoclaving mix Part A and B and pour into sterile petri plates.

Principle :

Peptic digest of animal tissue, yeast extract and skim milk, provide nitrogen, sulphur, vitamins and other growth nutrients. Sodium chloride maintains osmotic equilibrium. Cetrimide (Cetyl trimethylammonium bromide) is a quaternary ammonium compound which inbibits a wide variety of microorganisms including Pseudomonas species other than Pseudomonas aeruginosa. Agar is the solidifying agent.

QC Tests – (I) Dehydrated Medium		
	Colour :	Part A - Cream Part B – Light yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.3 ± 0.2
	Colour (post autoclaving/heating) :	Cream
	Clarity (post autoclaving/heating) :	Opalescent
(III) Q.C. Test Microbiological		
	Cultural characteristics observed after 24 - 48 hours at 35 - 37°C.	

	MICROORGANISM (ATCC)	GROWTH	PIGMENT	
	Pseudomonas aeruginosa (27853)	Good - Luxuriant	Blue – green	
	Pseudomonas maltophilia (13637)	Inhibited	--	
	Escherichia coli (25922)	Inhibited	--	

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 :	For detection and enumeration of Pseudomonas aerugionsa in water.
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
B706	159.73g/l	3.13L	7.3 ± 0.2	NIL	121^0C / 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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