B1452	**MILK AGAR W/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 grams 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 133.33 grams 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.

Principles :

Skim milk powder, peptic digest of animal tissue and yeast extract provide all the necessary nutrients mainly nitrogenous for the multiplication of P.aeruginosa . P.aeruginosa forms yellowish green colonies on this medium. Cetrimide acts as a quaternary ammonium, cationic detergent that causes release of nitrogen and phosphorus from bacterial cells other than P.aeruginosa.

QC Tests – (I) Dehydrated Medium		
	Colour :	Part A : White to cream Part B : Cream to yellow
	Appearance :	Part A & B : Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.3 ± 0.2
	Colour (post autoclaving/heating) :	Light amber
	Clarity (post autoclaving/heating) :	Opalescent gel
(III) Q.C. Test Microbiological		
	Cultural characteristics observed after24 - 48 hours at 35-37°C.	

	MICROORGANISM (ATCC)	GROWTH	PIGMENT
	Escherichia coli (25922)	Inhibited	
	Pseudomonas aeruginosa (27853)	Good – Luxuriant	Blue green
	Stenotrophomonas maltophilia (13637)	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 :	It is used for the detection and enumeration of Pseudomonas aeruginosa in swimming pool waters.Recommended by ISO Committee under the specifications ISO 8360-1: 1988.
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
B1452	159.73 (Part A +B) g/l	3.130 L	7.3 ± 0.2	NIL	121^0C / 15 minutes

Refer disclaimer Overleaf

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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