B333	THAYER MARTIN MEDIUM BASE

Formula

Ingredients:	gms/lit.
Peptone, special	23.00
Starch	1.00
Sodium chloride	5.00
Agar	13.00

Final pH (at 25°C): 7.0 ± 0.2

Directions:

Suspend 21.0 grams in 450 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C. Aseptically add 50 ml of sterile lysed blood and rehydrated contents of one vial of Vitamino Growth Supplement (BF037) and V.C.N Supplement (BF059) or V.C.N.T Supplement (BF60). If desired GC Supplement with Antibiotics (BF058) can be used as a single supplement. Mix well before pouring into sterile Petri plates. If Hemoglobin (BF036) is used suspend 21.0 grams of Thayer Martin Medium Base in 250 ml distilled water. Heat to boiling to dissolve the medium completely. Prepare 250 ml of 2% hemoglobin solution. Sterilize separately by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C. Mix both and add the supplements as above.

Principle:

Special peptone provides nutrients to the organisms while starch neutralizes the toxic fatty acids if present in the agar. Haemoglobin provides the X factor whereas the V factor (N.A.D.) is provided by the added supplement. Supplement (BF037) also supplies vitamins, amino acids, coenzymes etc. which enhances the growth of pathogenic Neisseria. Vancomycin and colistin inhibits gram-positive and gram-negative bacteria respectively. Nystatin inhibits fungi. This medium may inhibit Haemophilus species.

QC Tests – (I)Dehydrated Medium		
	Colour:	Cream to yellow
	Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating):	7.0 ± 0.2
	Colour (post autoclaving/heating):	a) Basal medium : Yellow b) With addition of haemoglobin and supplements : Chocolate
	Clarity (post autoclaving/heating):	a) Clear to slightly opalescent b) Opaque
(III)Q.C. Test Microbiological		

Cultural characteristics observed with added sterile lysed blood/Haemoglobin solution (BF036), Vitamino Growth Supplement (BF037) and V.C.N. Supplement (BF059)/V.C.N.T. Supplement (BF060) after an incubation at 35-37°C for 18-48 hours.

MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY
Neisseria meningitides (13090)	Good – luxuriant	medium to large, bluegray, mucoid
Neisseria gonorrhoeae (19424)	Good – luxuriant	small, grayishwhite to colourless, mucoid
Escherichia coli (25922)	Inhibited	-
Proteus mirabilis (25933)	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 selective isolation of Gonococci from pathological specimens.
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
B333	42g/l	11.904L	7.0 ± 0.2	Sterile lysed blood/BF036&BF037& BF059 or BF060	121^0C /15 min.

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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