

TECHNICAL SHEET

B078	TRANSGROW MEDIUM BASE	
Formula		
Ingredients :		
	gms/lit.	
Peptone, special	15.00	
Sodium chloride	5.00	
Corn starch	1.00	
Dipotassium phosphate	4.00	
Monopotassium phosphate	1.00	
Agar	20.00	
Final pH (at 25°C) : 7.2 ± 0.2		
Directions :		
Suspend 92 grams in 870 ml distilled water to make a double strength medium base. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 100 ml sterile solution of 2% Haemoglobin (BF036), 2 vials of Vitamino Growth Supplement (BF037) and rehydrated contents of 2 vials of V.C.N. Supplement (BF059) or V.C.N.T. Supplement (BF060). Mix well and pour into sterile Petri plates.		
Principle :		
Special peptone in the medium provides nutrients to the organisms while starch neutralizes the toxic fatty acids if present in the agar. Haemoglobin provides the factor-X whereas the factor-V is provided by the added supplement (BF037) that additionally also supplies vitamins, amino acids and coenzymes, which enhances the growth of pathogenic Neisseria. Trimethoprim, vancomycin and colistin inhibit gram-positive and gram-negative bacteria respectively. Nystatin inhibits fungi.		
QC Tests – (I) Dehydrated Medium		
	Colour :	Cream to yellow
	Appearance :	Homogeneous Free Flowing powder
(II) Rehydrated medium		
	pH (post autoclaving/heating) :	7.2 ± 0.2
	Colour (post autoclaving/heating) :	Basal Medium: Light yellow After addition of haemoglobin, chocolate brown
	Clarity (post autoclaving/heating) :	Basal medium :clear to slightly opalescent gel. After addition of haemoglobin, opaque gel
(III) Q.C. Test Microbiological		
	Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours with added sterile solution of 2% Haemoglobin (BF036), V.C.N. Supplement (BF059) or V.C.N.T. Supplement (BF060) and Vitamino Growth Supplement (BF037).	
	MICROORGANISM (ATCC)	GROWTH
	Candida albicans (60193)	Luxuriant
	Neisseria gonorrhoeae (43069)	Luxuriant
	Neisseria meningitidis (13090)	Luxuriant
	Staphylococcus epidermidis (12228)	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 :	This medium with added supplements is recommended for the cultivation and transport of fastidious microorganisms especially Neisseria species.	
Storage :	Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.	
Packing :	500 gm. bottle	

Refer disclaimer Overleaf

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Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B078	92.0 g/l	5.434 L	7.2 ± 0.2	2% Haemoglobin (BF036), V.C.N. Supplement (BF059) or V.C.N.T. Supplement (BF060) and Vitamino Growth Supplement (BF037).	121°C /15 min.

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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