

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B555	MYCOPLASMA SYNOVIAE MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Calf brain, infusion from		200.00				
Meat heart, infusion from		250.00				
Proteose peptone		10.00				
Sodium chloride		5.00				
Disodium phosphate		2.50				
Dextrose		2.00				
Yeast autolysate		5.00				
Tris buffer		0.25				
2,3,5-Triphenyl tetrazolium chloride		0.05				
Final pH (at 25°C) : 8.0 ± 0.2						
Directions :						
Suspend 42.3 gms. in 900ml distilled water. Mix well to dissolve the medium completely. Sterilize by filtration and aseptically add 100ml sterile Horse Serum and 1,000,000 units Penicillin and 0.25 gram thallium acetate. Mix well before dispensing.						
Principle :						
Calf brain and meat heart infusion along with the proteose peptone provide organic nitrogen, carbon, sulphur, vitamins and trace elements. Sodium chloride maintains osmotic equilibrium and also supply essential ions. Tris buffer and Disodium phosphate buffers the medium. Horse serum provide growth factors including lipid compounds to Mycoplasmas. TTC helps to identify TTC reducing Mycoplasmas. Penicillin and thallium acetate are added to the medium to inhibit bacterial growth.						
QC Tests - (I) Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		8.0 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 36- 72 hrs. at 35-37°C under 10% CO ₂ .						
MICROORGANISM (ATCC)		GROWTH				
Mycoplasma synoviae (25204)		Good - luxuriant				
Mycoplasma gallinarium (19708)		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 :		For cultivation of avian strains of Mycoplasmas.				
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
B555		42.3g/l	11.82L	8.0 ± 0.2	Horse Serum and 1,000,000 units Penicillin and 0.25 gram thallium acetate.	121°C / 15 minutes

Refer disclaimer Overleaf

Disclaimer:

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