

TECHNICAL SHEET

B529	FREY MYCOPLASMA BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		7.50				
Papaic digest of soyabean meal		2.50				
Yeast extract		5.00				
Sodium chloride		5.00				
Potassium chloride		0.40				
Magnesium sulphate		0.20				
Disodium phosphate		1.60				
Monopotassium phosphate		0.10				
Final pH (at 25°C) : 7.7 ± 0.2						
Directions :						
Suspend 22.3 gram in 900 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and add 100 ml of sterile inactivated (at 56°C for 30 minutes) horse serum (BF021). Mix well before dispensing.						
Principle :						
Frey et al formulated Mycoplasma Broth with horse serum for cultivation of avian Mycoplasmas. The casein enzymic hydrolysate, papaic digest of soyabean meal and yeast extract are sources of organic nitrogen, carbon sulphur, B vitamin and trace elements. Potassium chloride and magnesium chloride and magnesium sulphate provide essential ions. Addition of inactivated horse serum serves as a source of growth factors including lipid compounds.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.7 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics at 35-37°C in moist aerobic or anaerobic atmosphere with 5 – 10 % carbon dioxide.						
MICROORGANISM (ATCC)		GROWTH				
Mycoplasma synoviae (25204)		Luxuriant				
Mycoplasma gallisepticum (19610)		Luxuriant				
Escherichia coli (25922)		Good to 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 the cultivation of avian Mycoplasma.				
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
B529		22.3g/l	22.42L	7.7 ± 0.2	sterile inactivated horse serum (BF021)	121°C / 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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