

TECHNICAL SHEET

B266	MYCOPLASMA BROTH BASE W/ CV (PPLO BROTH BASE W/ CV)					
Formula						
Ingredients :		gms/lit.				
Meat heart, infusion from #		250.00				
Peptic digest of animal tissue		10.00				
Sodium chloride		5.00				
Crystal violet		0.01				
#Equivalent to beef heart infusion From						
Final pH (at 25°C) : 7.8±0.2						
Directions :						
Suspend 21 grams in 700 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45°C and aseptically add 2.85 ml of 1% Potassium Tellurite (BF010) along with 300 ml Horse serum or 10 vials of Mycoplasma Enrichment Supplement (BF085). Mix well and dispense into sterile test tubes. 25% Ascitic fluid can be used instead of Horse serum.						
Principle :						
Peptic digest of animal tissue & Meat infusion provides nitrogen, Sulphur, vitamins, and other growth nutrients for luxuriant growth of organisms. Sodium chloride maintains osmotic equilibrium. Crystal violet and Potassium tellurite many gram negative and gram – positive bacteria. Mostly the Mycoplasma species are aerobic or facultative anaerobic but some are microaerophilic. Few are anaerobic saprophytic Mycoplasma which grow best at 22-35°C while pathogenic strains grow at 35°C.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
PH (post autoclaving/heating) :		7.8±0.2				
Colour (post autoclaving/heating) :		Yellow coloured may have purple tinge				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed in presence of 10% Carbon dioxide with added 1% Potassium tellurite (BF010), 1% Horse serum and Mycoplasma Enrichment Supplement (BF085) after an incubation at 22-35°C for 48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Mycoplasma bovis (25523)		Good – Luxuriant				
Mycoplasma gallinarium (19708)		Good – Luxuriant				
Mycoplasma pneumoniae (15531)		Good – Luxuriant				
Streptococcus pneumoniae (6303)		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.						
2. Thallium acetate can partially inhibit some mycoplasmas.						
Use :						
For isolation and cultivation of Mycoplasma species (pleuropneumonia like organisms) from clinical specimens and mixed cultures.						
Storage:						
Dehydrated medium- below 30°C Prepared medium– Use freshly prepared medium.						
Packing :						
500 gm. bottle						
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B266		21.0 g/l	23.809 L	7.8+/-0.2	1%Horse serum, Mycoplasma Enrichment Supplement(BF085) and 1%Potassium Tellurite (BF010)	121°C / 15 minutes

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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