

TECHNICAL SHEET

B206	HOYLE MEDIUM BASE				
Formula					
Ingredients :		gms/lit.			
Peptone		10.00			
Meat Extract B#		10.00			
Sodium chloride		5.00			
Agar		15.00			
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.8 ± 0.2					
Directions :					
Suspend 40.0 grams in 940 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 45-50°C and aseptically add 50 ml of laked blood and 10 ml of 3.5% Potassium Tellurite Solution (BF008). Mix well and pour into sterile Petri plates.					
Principle :					
Peptic digest of animal tissue and Meat Extract B supply essential growth nutrients. Potassium tellurite is a selective agent which inhibits most of the normal flora of the upper respiratory tract except <i>Corynebacterium</i> .					
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) :		a) Basal medium : Amber b) with addition of laked blood and tellurite : Brownish red			
Clarity (post autoclaving/heating) :		a) Clear to slight opalescent b) Opaque			
(III) Q.C. Test Microbiological					
Cultural characteristics observed with added 50 ml of laked blood and tellurite solution, after an incubation at 35-37°C for 18-24 hours .					
	MICROORGANISM (ATCC)	GROWTH	COLONY CHARACTERISTICS		
	<i>Corynebacterium diphtheriae</i> type mitis	Good - luxuriant	Grey colonies with shining surface		
	<i>Corynebacterium diphtheriae</i> type intermedius (14779)	Good - luxuriant	Grey colonies with darker centres		
	<i>Enterococcus faecalis</i> (29212)	Good - luxuriant	Black minutes colonies		
	<i>Escherichia coli</i> (25922)	Inhibited	-		
	<i>Bacillus subtilis</i> subsp. spizizenii (6633)	Inhibited	-		
	<i>Enterococcus faecalis</i> (29212)	Good - luxuriant	Black minute colonies		
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 :	A highly selective medium used for the isolation and differentiation of <i>Corynebacterium diphtheriae</i> types.				
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
B206	40.0 g/l	12.5 L	7.8 ± 0.2	Laked blood, 3.5% Potassium Tellurite soln.	121°C/15min.

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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