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## **TECHNICAL SHEET**

gms/lit.

20.00

TINSDALE AGAR BASE

Peptic digest of animal tissue 20.00										
Sodium chloride 5.00										
L-Cystine 0.24										
Sodium thiosulphate 0.43 Agar 15.0										
Final pH (at 25°C): 7.4 <u>+</u> 0.2										
Directions:										
Suspend 40.67 grams in 1000 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 50°C and aseptically add										
Diphtheria Virulence Supplement (BF096, Part A and Part B). Mix well and pour into sterile Petri plates.										
Principle:										
Peptic digest of animal tissue provides nitrogenous compounds. L-cystine and sodium thiosulphate form										
the H2S indicator system. Potassium tellurite from the supplement inhibits all gram-negative bacteria and										
most of the upper respiratory tract normal flora. C. diphtheriae forms grayish black colonies surrounded by										
a dark brown halo while diphtheroids commonly found in the upper respiratory tract do not form such										
colonies. Dark brown halo around the colony is due to H2S production from cystine combining with the										
tellurite salt.										
	QC Tests - (I)Dehydrated Medium									
Colour:					Cream to yellow					
Appearance:		Homogeneous Free Flowing powder								
(II)Rehydrated m										
pH (post autoclaving/heating) : $7.4 \pm 0.2$										
Colour (post	Light amb	Light amber								
Clarity (post	Clear to s	Clear to slightly opalescent								
(III)Q.C. Test Microbiological										
Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours with added Diptheria										
Virulence Supplement (BF096, Part A and Part B).										
MICROORGANI	MICROORGANISM (ATCC) GROW									
Corynebacter	od-luxuriar	d-luxuriant brown-black with halo								
gravis										
Corynebacter	od-luxuriar	d-luxuriant brown-black with halo								
intermedius										
Corynebacter	od-luxuriar	-luxuriant brown-black with halo								
mitis										
			ibited	-						
	s pyogenes (196		Good		black pin	point, without ha	lo			
Precautions :	Precautions: 1. For Laboratory Use.									
2. Follow proper, established laboratory procedures in handling and dis							dispo	osing of		
infectious materials.										
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be									
II.	encountered that fail to grow or grow poorly on this medium.									
Use:	It is used for selective isolation and differentiation of Corynebacterium diphtheriae .									
	Storage: Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.  Packing: 500 gm. bottle									
Packing:	<u> </u>	ا م	1 (3E0C)	Cupplement		Ctorilization				
Product profile:	Reconstitution	Quantity of Preparation		pr	pH (25°C)	Supplement		Sterilization		
B334	40.67g/l 12.2			7	7.4 ± 0.2	Diphtheria 121°C		C / 15 minutes		
5557	+0.0/g/i	12.	∠ J L	′	. → → ∪.∠	Virulence	121	C / 13 minutes		
						Supplement				
						(BF096, Part A				
						and Part B)				
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Refer disclaimer Overleaf

B334

Formula Ingredients:

Peptic digest of animal tissue

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## 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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