

TECHNICAL SHEET

B1305	MODIFIED CHARCOAL CEFAPERAZONE DEOXYCHOLATE AGAR BASE				
Formula					
Ingredients :		gms/lit.			
Enzymic digest of Animal Tissue		10.00			
Meat extract		10.00			
Sodium chloride		5.00			
Casein hydrolysate		3.00			
Charcoal activated		4.00			
Sodium deoxycholate		1.00			
Ferrous sulphate		0.25			
Sodium pyruvate		0.25			
Agar		12.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Suspend 45.5 gms. in 1000ml distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Avoid excess heating as it is detrimental to the medium. Mix well and pour into sterile petri plates with constant agitation to ensure that charcoal particles are evenly distributed.					
Principle :					
Peptone, Casein hydrolysate and Meat extract supplies nitrogenous nutrients for growth. Activated charcoal neutralizes toxic metabolic product and also collects carbon-dioxide and modify the surface tension. Cefaperazone and Sodium deoxycholate inhibits gram positive bacteria, coliforms. Agar is a solidifying agent.					
QC Tests - (I) Dehydrated Medium					
Colour :		Greyish balck			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		Black			
Clarity (post autoclaving/heating) :		Opaque			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hours 35-37°C					
MICROORGANISM (ATCC)		GROWTH			
Salmonella spp.		Good			
Staphylococcus aureus(25923)		Inhibited			
Escherichia coli((25923)		Poor			
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 isolation and cultivation of Legionella species from clinical and other specimens.			
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
B1305	45.5g/l	10.989L	7.4 ± 0.2	NIL	DO NOT AUTOCLAVE

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 BIOMARK LABORATORIES publications.

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