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TECHNICAL SHEET

B1474 ORNITHINE DECARBOXYLASE BROTH								
Formula								
Ingredients :		gms/lit.						
L-Ornithine mon	ohydrochloride	5.00						
Yeast extract		3.00						
Glucose		1.00						
Bromo cresol pu		0.015						
Final pH (at 25°	°C): 6.8 <u>+</u> 0.2							
Directions :								
			er. Heat if necessary to dissolve the medium completely.					
Dispense in tes	t tubes and sterilize	by autocl	aving at 15 lbs pressure (121°C) for 15 minutes. After					
inoculation overl	ay the tubes with 2-3	<u>3 ml minera</u>	al oil.					
Principle :								
Yeast extract in	the medium provides	nitrogen a	nd other nutrients necessary to support bacterial growth.					
			production of ornithine decarboxylase. Glucose is the					
			ial stages of incubation, is fermented by the organisms					
			nge of the pH indicator (BCP) to yellow. The acidic					
			If the organism produces decarboxylase, ornithine in the					
			mine. Decarboxylation of ornithine yields putrescine. The					
			medium towards alkalinity, changing the color of the					
			rganism does not produce the appropriate enzyme, the					
	s acidic or yellow in c	olour.						
	hydrated Medium							
			nt yellow to light green					
Appearance :		Hom	Homogeneous Free Flowing powder					
(II)Rehydrated r								
	claving/heating) :		± 0.2					
Colour (post autoclaving/heating) : Dar			k purple					
Clarity (post	autoclaving/heating)	r solution without any precipitae						
(III)Q.C. Test I								
Cultural char	acteristics observed a	after an inc	ubation at 35-37°C for 18-24 hours. Inoculated tubes are					
over layed w	ith mineral oil.							
MICROORGANISM (ATCC)			ORNITHINE DECARBOXYLATION					
Escherichia coli (25922)			variable reaction					
Enterobacte	r aerogenes (13048)		positive reaction, purple colour					
Klebsiella pneumonia (13383)			negative reaction, yellow colour					
Proteus mirabilis(25933)			negative reaction, yellow colour					
Proteus vulgaris(13315)			positive reaction, purple colour					
Salmonella Paratyphi A(1950)			positive reaction, purple colour					
Salmonella Typhi(6539)			negative reaction, yellow colour					
Shigella flexneri(12022)			negative reaction, yellow colour					
Shigella sonnei(25931)			positive reaction, purple colour					
Yersinia enterocolitica (27729)			positive reaction, purple colour					
2. Follow proper, established laboratory procedures in handling and disposing of infect								
materials.								
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered							
		at fail to grow or grow poorly on this medium.						
Use :	It is recommended for detection of the ability of microorganisms to decarboxylate							
	ornithine as per International Organization for Standardization (ISO), 1994, Draft ISO/DIS							
	10273.							
Refer disclaimer Over								

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Page 01 of 02

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Storage :	Dehydrated me	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Packing:	500 gm. bottle	500 gm. bottle							
		Page 01 of 02							
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization				
B1474	9.01 g/l	55.49 L	6.8 ± 0.2	NIL	121ºC / 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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Page 02 of 02