## BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

Formula       Ingredients :       gms/lit.         L-Ornithine monohydrochloride       5.00         Yeast extract       3.00         Glucose       1.00         Bromo cresol purple       0.015         Final pH (at 25°C) : 6.8 ± 0.2       Directions :         Suspend 9.01 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium complete         Dispense in test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Aft inoculation overlay the tubes with 2-3 ml mineral oil.         Principle :       Medium contains Yeast extract in the medium provides nitrogen and other nutrients necessary to supple bacterial growth. The amino acid ornithine is added to detect the production of ornithine decarboxylass.         Glucose is the fermentable carbohydrate, which during the initial stages of incubation, is fermented by t organisms with acid production, which results in colour change of the pH indicator (BCP) to yellow. The organism does not produce t appropriate enzyme, the medium remains acidic or yellow in colour.         QC Tests - (1)Dehydrated Medium       Elight yellow to light green         Appearance :       Homogeneous Free Flowing powder         (III)Rehydrated medium       Del the medium for the substraction grow of the medium for the substraction of the substraction of a starbacting heating) :         Calour :       Light yellow to light green         Appearance :       Homogeneous Free Flowing powder         (III)Rehydrated medium	B513I ORNITHINE DECARBOXYLASE BROTH									
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Yersinia enterocolitica (27729)       positive reaction, purple colour       I         Precautions :       1. For Laboratory Use.         2. Follow proper, established laboratory procedures in handling and disposing of				5 17						
Precautions :         1. For Laboratory Use.           2. Follow proper, established laboratory procedures in handling and disposing of										
2. Follow proper, established laboratory procedures in handling and disposing of										
l linfectious materials.										
<b>Limitations :</b> 1. Since the nutritional requirements of organisms vary, some strains may be	ns may be									
encountered that fail to grow or grow poorly on this medium.										
<b>Use :</b> For detection of the ability of microorganisms to decarboxylate ornithine.	Use :	For detection of the ability of microorganisms to decarboxylate ornithine.								
		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.								
		500 gm. bottle								
			Quantity	( 0n	on pH (25°C) Supple		ant	Starilization		
Preparation (500g)	riouuci prome:				pri (25 C)	Subheine	-110	Stermzation		
	R513T				68+02	NTI		121ºC / 15 minutes		
	03131	9.01 Y/I	-	5.5 L	0.0 ± 0.2			-		

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