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## **TECHNICAL SHEET**

B590	MOTILITY - IN	IDOLE – LI	SINE MEDIUM (M	IL MEDI	UM)			
Formula								
Ingredients : gms/lit.								
Peptic digest of anim	nal tissue 1	0.00						
Casein enzymic hydi	rolysate 1	0.00						
Yeast extract 3.00								
L-Lysine hydrochloride 10.00								
Dextrose (Glucose) 1.00								
Ferric ammonium citrate 0.50								
Bromo cresol purple								
Agar 2.00								
Final pH (at 25°C) :	6.6 <u>+</u> 0.2							
Directions : Suspend 26 E2 grame in 1000 ml nuvified / distilled water Heat to belling to discolve the medium associated. Discusse								
Suspend 36.52 grams in 1000 mi purnied / distilled water. Heat to boiling to dissolve the medium completely. Dispense								
The tubes in 5 min aniounce. Sternize by autoclaving at 15 bb pressure (121-C) for 15 minutes. Cool the tubes to 45-								
	OSILIOII							
Pentic digest of animal tissue and Casein enzyme hydrolysate provide the carbon and nitrogen sources required for good								
replic ulgest of animal ussue and casell enzyme hydrolysale provides witaming and cofactors required for growth lyging								
Hydrochloride is present as a substrate to detect lysine decarboxylase or lysine deaminase activity. Dovtroco is an								
aperny source Ferrie Ammonium Citrate is an HaS indicator Bromo Cresol Purnle is a nH indicator. Agar is a solidifying								
agent used at a low concentration								
OC Tests - (I)Deby								
			Cream to greenish	vellow				
			Homogonoous Fron Flowing, nowdor					
(II) Pohydratod modium								
nH (nost autoclaving/beating)			6.6 + 0.2					
Colour (post autoclaving/fielding) :								
Clarity (post autoclaving/heating) :			Clear to slightly onalescent gel forms in tubos as hutte					
(III) O C Test Microbiological				nescent g			Julis	
Cultural character	rictics observed	oftor on inc	ubation at 25,2700	For 10 21	hours			
					DEAMINAGE			
Escherichia coli (25922)						LISINE		_
Enterobacter aerogenes (13048)								_
Klebsiella preumoniae (13883.)			- (+)		_			
Proteus vulgaris (13315)			(')		Ŧ		_	
Proteus mirabilis (25933)					- -		_	
Salmonella enteritidis (13076.)			_		т -			_
Shigella flexperi (12022)			- 0r +		_		_	
	(12022)	on arowth	away from stabling		tivo arowth al	long tho	ctabling	
Indole production $= + =$ positive reaction, growth away non-stabilitie, $-$ integrative, growth doing the stabilitie								
(+)=occasional								
lysine deaminase=+=positive reaction redbrown colour reaction at the top								
Lysine decarboxylase=+=positive reaction, purple colour $-=$ negative reaction.								
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 fa							ail	
	to grow or grow poorly on this medium.							
<b>Use :</b> For identification of members of Enterobacteriaceae on the motility, lysine decarboxylase, lysin								
deaminase and indole production.						, -, ,		
<b>torage :</b> Dehydrated medium - below 30°C Prepared medium – Between 2 to 8°C.								
Packing :	500 gm. bottle							
Product profile:	Reconstitution	Quantity of	on pH	(25°C)	Suppleme	nt	Sterilization	
•		Preparatio	on (500g)	. ,				
B590	36.52a/l	13	3.69L 6.6	± 0.2	NIL	12	21ºC / 15 minutes	
Disclaimory			•					

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 01 of 01