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

B212	212 KLIGLER IRON AGAR									
Formula	REIGEER INON AGA									
		ms/lit	ma /lit							
		.5.00	•							
eptone Seef extract		.00								
		3.00 3.00								
		5.00								
		0.00								
		00								
		5.00								
		).30								
•		).024								
Agar				5.00						
		5.00								
Final pH (at 25°C)	<u>): 7.4 <u>+</u> 0.2</u>									
Directions :	anama in 1000 ml d	iatillad	watar		a hailina	to discolute	the medium			
	grams in 1000 ml d									
	completely. Mix well and distribute into into tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubes to cool in slanted position to form slopes with about 1-inch									
(121°C) 10F 15 mi	nutes. Allow the tubes	10 0001	in sia	nted posi		rm slopes with	about 1-inch			
	obtained on freebly pr	onorod	madi		tuco cor	ow conned tub	as ar battlas			
	obtained on freshly pr	epareu	mean	im. Do no	ot use scr	ew capped tub	es or bottles.			
Principle :	es as his set the same signal			امر اما م			ata anan inta			
	combines the principle									
one medium. This combination permits the differentiation of the gram-negative bacilli both by their ability to ferment dextrose or lactose and to produce hydrogen sulfide. Beef Extract, Yeast Extract,										
	teose Peptone provid									
	e are the indicators of h									
	naintains the osmotic b	alance	or the	mealum.	Agar is t	ne soliaitying a	igent.			
	QC Tests – (I)Dehydrated Medium		Linkkov lava ka sink							
	Colour :		Light yellow to pink							
Appearance :		Hom	Homogeneous Free Flowing powder							
(II)Rehydrated medium										
pH (post autocla			7.4 ± 0.2							
	utoclaving/heating) :		Reddish orange to red							
	utoclaving/heating) :	Clea	Clear to slightly opalescent							
(III)Q.C. Test M										
	cteristics observed afte	1								
MICROORGANIS		GROW	TH	SLANT	BUTT	GAS	H <sub>2</sub> S			
Citrobacter fre	undii (8090)	Luxuria	ant	А	А	+	+			
Escherichia col	li (25922)	Luxuria	ant	А	А	+	-			
Enterobacter a	erogenes (13048)	Luxuria	ant	А	А	+	-			
	umoniae (13883)	Luxuria	ant	А	А	+	-			
	Proteus vulgaris (6380)		ant	K	А	_	+			
			ant	K	А	+	+			
	ratyphi A (5006)	Luxuria		К	А	+	-			
	nottmuelleri (10719)	Luxuria		K	A	+	+			
Salmonella typ		Luxuria		K	A	-	+			
Shigella flexne		Luxuria		K	A	-				
				K	K	_	_			
Pseudomonas aeruginosa (27853)  Luxuriant  K  K  -    Key : A = acid production (yellow)										
K = alkaline reaction (red)										
+ = positive or blacking - = negative reaction (no change)										

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Precautions :	1. For Laboratory Use.							
	<ol><li>Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li></ol>							
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 differential identification of gram-negative enteric bacilli on the basis of fermentation of dextrose, lactose and $H_2S$ production.							
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Packing :	500 gm. bottle							
Product profile:		Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization			
B212	57.52 g/l	8.69L	7.4 ± 0.2	NIL	121ºC / 15 minutes			

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