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B212 KLIGLER IRON AGA	AR						
Formula							
	gms/lit.						
	15.00						
	3.00						
	3.00						
	5.00						
	10.00						
Dextrose	1.00						
Ferrous sulphate	0.20						
	5.00	.00					
Sodium thiosulphate (	0.30	30					
	0.024						
5	15.00						
#- Equivalent to Beef extract							
Final pH (at 25°C) : 7.4 + 0.2							
Directions :							
Suspend 57.52 grams in 1000 ml c							
completely. Mix well and distribute into							
for 15 minutes. Allow the tubes to cool i							
Best reactions are obtained on freshly p	repared med	lium. Do no	ot use scr	ew capped tub	bes or bottles.		
Principle :							
Kligler Iron Agar combines the principle							
one medium. This combination permits							
ability to ferment dextrose or lactose							
Extract, Peptone, and Proteose Peptone							
and sodium thiosulfate are the indicate							
indicator. Sodium chloride maintains t	ne osmotic	balance of	the mea	ium. Agar is	the solialitying		
agent. QC Tests – (I)Dehydrated Medium							
Colour :	Light vo	low to nink	,				
Colour :     Light yellow to pink       Appearance :     Homogeneous Free Flowing powder				owdor			
(II)Rehydrated medium	nomoge	nomogeneous Free Flowing powder					
pH (post autoclaving/heating) :	7.4 ± 0.	<u>ז</u>					
Colour (post autoclaving/heating) :		Reddish orange to red					
Clarity (post autoclaving/heating) :							
	Clear to	Clear to slightly opalescent					
(IIII)Q.C. Test Microbiological Cultural characteristics observed after		a at 2E 270					
MICROORGANISM (ATCC )	GROWTH	SLANT		CAS	ЦС		
· /			BUTT	GAS	H <sub>2</sub> S		
Citrobacter freundii (8090)	Luxuriant	A	A	+	+		
Escherichia coli (25922)	Luxuriant	A	A	+	-		
Enterobacter aerogenes (13048)	Luxuriant Luxuriant	A	A	+	-		
	u uyurlanf	A	Α	+			
Klebsiella pneumoniae (13883)					-		
Klebsiella pneumoniae (13883) Proteus vulgaris (6380)	Luxuriant	K	Α	-	- +		
Klebsiella pneumoniae (13883) Proteus vulgaris (6380) Salmonella enteritidis (13076)	Luxuriant Luxuriant	K K	A A	+	- + +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)	Luxuriant Luxuriant Luxuriant	K K K	A A A	++	+ -		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)	Luxuriant Luxuriant Luxuriant Luxuriant	K K K	A A A A	+	+ - +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	K K K K	A A A A A	+ + + -	+ - + +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)Shigella flexneri (12022)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	К К К К К	A A A A A A	++	+ - +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)Shigella flexneri (12022)Pseudomonas aeruginosa (27853)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	K K K K	A A A A A	+ + + -	+ - + +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)Shigella flexneri (12022)Pseudomonas aeruginosa (27853)Key : A = acid production (yellow)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	К К К К К	A A A A A A	+ + + -	+ - + +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)Shigella flexneri (12022)Pseudomonas aeruginosa (27853)Key : A = acid production (yellow)K = alkaline reaction (red)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	К К К К К	A A A A A A	+ + + -	+ - + +		
Klebsiella pneumoniae (13883 )Proteus vulgaris (6380 )Salmonella enteritidis (13076 )Salmonella paratyphi A (5006)Salmonella schottmuelleri (10719)Salmonella typhi (6539)Shigella flexneri (12022)Pseudomonas aeruginosa (27853)Key : A = acid production (yellow)	Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant Luxuriant	К К К К К	A A A A A A	+ + + -	+ - + +		

Refer disclaimer Overleaf

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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 differential identification of gram-negative enteric bacilli on the basis of fermentation of dextrose, lactose and H <sub>2</sub> S 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			

## 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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