BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

AS011	Simmons Citrate Ag	ar Slant		
Formula				
Ingredients: gms/lit.				
Magnesium sulphate		0.20		
Ammonium dihydrogen phosphate		1.00		
Dipotassium phosphate		1.00		
Sodium citrate		2.00		
Sodium chloride		5.00		
Bromothymol blue		0.08		
Agar		15.00		
Final pH (at 25	°C): 6.8 <u>+</u> 0.2			
Directions:	<u> </u>			
	st inoculum aseptically	v into the slan	t and incubate	at appropriate
conditions.	se mocaram aseptican	, mes ene sian	t and measure	at appropriate
Principle:				
	n dihydrogen phospha	te is the sole of	source of nitroa	en in Simmons
	Magnesium is a cof			
	s as a buffer. Sodium			
	ım chloride maintains t			
	nt. Bromo thymol blue			
	hydrogen phosphate i			
	carbon will grow on th	ns medium and	i produce a colo	or change from
) to blue (alkaline).			
(I) QC Tests		I		
pH:		6.8 ± 0.2		
Color:		Forest Green coloured slant.		
Appearance:		Sterile Simmons Citrate Agar in disposable slants.		
(II)Sterility test		Passes release criteria		
(III)Q.C. Test Microbiological				
Cultural characteristics observed after incubation at 22-28°C for 48-72 hours.				
MICROORGAN	NISM (ATCC)	INOCULUM	GROWTH	CITRATE
	,	(CFU)		UTILISATION
# Klebsiell	a aerogenes 13048	50-100	good-luxuriant	positive
(00175*)				reaction, blue
				color
Escherichia	coli 25922	>=104	inhibited	-
Salmonella		50-100	fair-good	negative
Samonena	1 ypiii 0333	50 100	luli good	reaction, green
				color
Salmonella	Typhimurium 14028	50-100	good-luxuriant	
(00031*)	1 y p 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30 100	good laxuriant	reaction, blue
(00031)				color
Shigella dysenteriae 13313		>=104	inhibited	_
Salmonella Choleraesuis12011				nocitive
Salmonella Choleraesuis12011		50-100	good-luxuriant	positive
				reaction,blue
	E 1 11111 10000	E0 100	11	color
Salmonella	Enteritidis 13076	50-100	good-luxuriant	positive
(00030*)				reaction,blue
				color

Refer disclaimer Overleaf

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Precautions:	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. The pH affects the performance of the medium and must be correctly monitored, hence appearance must be verified before inoculation.
Use:	Recommended for differentiating members of Enterobacteriaceae on the basis of citrate utilization.

Store between 2-8°C. Use before expiry date on the label.

10/25 disposable slants.

Disclaimer:

Storage: Packing:

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our

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Page 02 of 02

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