BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

PP034 Xylose Ly	sine Deox	ycholate Ag	gar Plate		
Formula					
Ingredients:		gms/lit.			
Yeast extract		3.00			
L-Lysine	5.00				
Lactose	7.50				
Sucrose	7.50				
Xylose	3.50				
Sodium chloride		5.00			
Sodium deoxycholate		2.50			
Sodium thiosulphate		6.80			
Ferric ammonium citrate		0.80			
Phenol red	(0.08			
Agar		5.00			
Final pH (at 25°C): 7.4 <u>+</u>		0.00			
Directions:	0.2				
Label the ready to use plat	(PP034)	Fither streak	inoculate o	r surface sor	and the test
inoculum (50-100 CFU) as				i surface spi	
Principle:	eptically of	the plate.			
Xylose Lysine Deoxycholat	to Agartic	- coloctive -		forantial ma	dium Voort
extract provides sources					
required for growth. Xyl					
carbohydrates. Xylose is					
Providencia. Lysine is ad					
Salmonella organisms dec					
Alkaline reversion by othe					
production form fermenta					
Ammonium citrate allow					
conditions. Acidic conditio					
chloride maintains osmotic					
Deoxycholate in XLD agar					
is an ideal medium for scr					
as recovery of Salmonella	e and Shig	ellae is not	conspicuous	by even pro	oruse growth
of other species.					
(I) QC Tests		<u> </u>			
pH:		7.4 ± 0.2			
Color:		Red coloured medium.			
Appearance: Sterile Xylose Lysine Deoxycholate				oxycholate A	gar in 85mm
		disposable plates.			
(II)Sterility test					
(III)Q.C. Test Microbiol					
Cultural characteristics	observed at	fter incubati	on at 35-37°	C for 18-48	hours.
MICROORGANISM (ATCC)		INOCULUM	GROWTH	RECOVERY	COLOR OF
		(CFU)			COLONY
Salmonella typhimurium	า 14028	50 -100	LUXURIANT	≥50 %	red with
	-			-	black
					centers
Salmonella Abony NCTC	6017	50 -100	Good-	≥50 %	red with
			luxuriant		black
					centers
Escherichia coli 8739		50 -100	fair	20 -30 %	yellow
Escherichia coli NCTC 9	002	50 -100	fair	20 - 30 %	yellow
	002	50 IUU	iuli	20 30 /0	ychow

BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

Escherichia coli 25922	50 -100	fair	20 -30 %	vellow
Proteus vulgaris 13315	50 -100	Good- luxuriant	≥50 %	grey with black centers
Salmonella Paratyphi A9150	50 -100	Good- Iuxuriant	≥50 %	red
Salmonella Paratyphi B 8759	50 -100	Good- luxuriant	≥50 %	grey with black centers
Salmonella Enteritidis 13076	50 -100	Good- luxuriant	≥50 %	grey with black centers
Salmonella Typhi 6539	50 -100	Good- luxuriant	≥50 %	grey with black centers
Shigella flexneri12002	50 -100	fair-good	30 -40 %	red
Shigella dysenteriae13313	50 -100	Good- luxuriant	≥50 %	red
Shigella sonnei25931	50 -100	fair-good	30 -40 %	red
Enterobacter aerogenes13048	50 -100	fair	20 -30 %	yellow
Enterobacter cloacae 13047	50 -100	fair	20 -30 %	yellow
Staphylococcus aureus 6538	≥10 ³	inhibited	0%	-
Staphylococcus aureus25923	≥10 ³	inhibited	0%	-
Enterococcus faecalis 29212	≥10 ³	inhibited	0%	-

Refer disclaimer Overleaf

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.		
Use:	For the selection of Salmonella		
Storage:	Store between 15-25°C. Use before expiry date on the label.		
Packing:	20/50 disposable plates.		

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Page 02 of 02