BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

BH399	AGAR MEDIUM	S (R-2 A AC	GAR)				
Formula							
Ingredients:		gms/lit.	gms/lit.				
Casein hydrolysate		0.50					
Yeast extract		0.50					
Proteose peptone		0.50	0.50				
Dextrose		0.50	****				
Starch, soluble			0.50				
	ydrogen phosphate	0.30					
Magnesium sul		0.024					
Sodium pyruva	ate		0.30				
Agar		15.00					
Final pH (at 25	5°C): 7.2 <u>+</u> 0.2						
Directions:							
			tilled water. Heat to b				
completely. St	erilize by autoclaving	g at 15 lbs p	ressure (121°C) for 1	.5 minutes or	as per validate		
	OVERHEAT. Cool to	45-50°C. Mi	x well and pour into s	terile Petri plat	tes.		
Principle:							
			ents and vitamins.				
	ovide nitrogen, vitan	nins, amino	acids, carbon and m	inerals. Dextr	rose serves as		
			ecovery of injured o	rganisms by	absorbing toxi		
metabolic byp	roducts. Sodium py	ruvate incre	ecovery of injured of cases the recovery of	organisms by of stressed ce	absorbing toxi ells. Potassiur		
metabolic byp phosphate is ι	roducts. Sodium py used to balance the p	ruvate incre pH and pro	ecovery of injured of eases the recovery of vide phosphate. Mag	organisms by of stressed ce	absorbing toxi ells. Potassiur		
metabolic byp phosphate is ι divalent cation	roducts. Sodium py used to balance the p as and sulfate. Agar is	ruvate incre pH and pro	ecovery of injured of eases the recovery of vide phosphate. Mag	organisms by of stressed ce	absorbing toxi ells. Potassiur		
metabolic byp phosphate is ι divalent cation QC Tests - (Ι) Ι	roducts. Sodium py used to balance the p	ruvate increpH and pros s the solidify	ecovery of injured of eases the recovery of the phosphate. Magaing agent.	organisms by of stressed ce	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour:	products. Sodium py used to balance the p us and sulfate. Agar is Dehydrated Medium	ruvate incrept and pros s the solidif	ecovery of injured of eases the recovery of vide phosphate. Mag ving agent.	organisms by of stressed ce nesium Sulfat	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance	products. Sodium py used to balance the p us and sulfate. Agar is Dehydrated Medium	ruvate incrept and pros s the solidif	ecovery of injured of eases the recovery of the phosphate. Magaing agent.	organisms by of stressed ce nesium Sulfat	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated	products. Sodium py used to balance the us and sulfate. Agar is Dehydrated Medium e: d medium	ruvate increpH and pross the solidife	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the ease of the recovery of the ease o	organisms by of stressed ce nesium Sulfat	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auto	products. Sodium py used to balance the p us and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating):	ruvate increpH and pross the solidife	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the recovery of the re	organisms by of stressed ce nesium Sulfat	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auto Colour (pos	products. Sodium py used to balance the pus and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating/set autoclaving/heating/heating/	ruvate increpH and pross the solidife C C	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the recovery of the re	organisms by of stressed ce nesium Sulfat wing powder	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auto Colour (post Clarity (post	products. Sodium py used to balance the pass and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating/st autoclaving/heating/st autoclaving/st a	ruvate increpH and pross the solidife C C	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the recovery of the re	organisms by of stressed ce nesium Sulfat wing powder	absorbing toxi ells. Potassiur		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auto Colour (post Clarity (post (III)Q.C. Test	products. Sodium py used to balance the pass and sulfate. Agar is Dehydrated Medium a: d medium oclaving/heating/st autoclaving/heating/st autoclaving/heating/t Microbiological	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the recovery of the re	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated PH (post auto Colour (post Clarity (post Cultural cha	products. Sodium py used to balance the pus and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating): st autoclaving/heating t autoclaving/heating t Microbiological aracteristics observed	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured of eases the recovery of injured of the recovery of the re	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auticolour (post Clarity (post (III)Q.C. Test 37°C for 24	products. Sodium py used to balance the pused to balance the pused to balance the pused to be and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating): t autoclaving/heating t autoclaving/heating t Microbiological aracteristics observed 1-72 hours.	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of vide phosphate. Magazing agent. ream to yellow omogeneous Free Flo .2 ± 0.2 ght yellow lear to slightly opales andard ATCC cultures	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance (II)Rehydrated pH (post auto Colour (post Clarity (post Cultural chat 37°C for 24 MICROORGA	products. Sodium py used to balance the pused to balance the puse and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating): at autoclaving/heating at autoclaving/heating t Microbiological aracteristics observed 1-72 hours. NISM (ATCC)	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of vide phosphate. Magazing agent. ream to yellow omogeneous Free Flogeneous Flogeneous Free Flogeneous Flog	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post Cultural chat 37°C for 24 MICROORGA Candida alb	products. Sodium py used to balance the pused to balance the puse and sulfate. Agar is Dehydrated Medium e: d medium oclaving/heating): at autoclaving/heating at autoclaving/heating at macteristics observed direction (ATCC) ocians (10231)	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured. The ream to yellow omogeneous Free Flow of the slightly opales and ard ATCC cultures GROWTH Good - Luxuriant	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post Cultural chat 37°C for 24 MICROORGA Candida alb Escherichia	products. Sodium py used to balance the pused to balance the puse and sulfate. Agar is Dehydrated Medium E: d medium oclaving/heating): t autoclaving/heating t autoclaving/heating t autoclaving/heating t autoclaving/heating t Microbiological eracteristics observed 1-72 hours. NISM (ATCC) oicans (10231) coli (8739)	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured. The ream to yellow omogeneous Free Flow of the slightly opales and ard ATCC cultures GROWTH Good - Luxuriant Good - Luxuriant	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post Cultural chat 37°C for 24 MICROORGA Candida alb Escherichia Salmonella	products. Sodium py used to balance the pused to balance the puse and sulfate. Agar is Dehydrated Medium E: d medium oclaving/heating): t autoclaving/heating t autoclaving/heating t autoclaving/heating t autoclaving/heating t Alicrobiological aracteristics observed t-72 hours. NISM (ATCC) ocans (10231) coli (8739) enteritidis (13076)	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured of eases the recovery of vide phosphate. Magazing agent. ream to yellow omogeneous Free Flo .2 ± 0.2 ght yellow lear to slightly opales andard ATCC cultures GROWTH Good - Luxuriant Good - Luxuriant Good - Luxuriant	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post (III)Q.C. Test Cultural chat 37°C for 24 MICROORGA Candida alb Escherichia Salmonella	products. Sodium py used to balance the pused to be a to balance to ba	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured. Mag ving agent. ream to yellow omogeneous Free Flow 1.2 ± 0.2 ght yellow lear to slightly opales andard ATCC cultures GROWTH Good - Luxuriant	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post (III)Q.C. Test Cultural chat 37°C for 24 MICROORGA Candida alb Escherichia Salmonella	products. Sodium py used to balance the pused to balance the puse and sulfate. Agar is Dehydrated Medium E: d medium oclaving/heating): t autoclaving/heating t autoclaving/heating t autoclaving/heating t autoclaving/heating t Alicrobiological aracteristics observed t-72 hours. NISM (ATCC) ocans (10231) coli (8739) enteritidis (13076)	ruvate increpH and prossible sthe solidife C F C C C C C C C C C C C	ecovery of injured of eases the recovery of injured of eases the recovery of vide phosphate. Magazing agent. ream to yellow omogeneous Free Flo .2 ± 0.2 ght yellow lear to slightly opales andard ATCC cultures GROWTH Good - Luxuriant Good - Luxuriant Good - Luxuriant	organisms by of stressed ce nesium Sulfat wing powder cent	absorbing toxi ells. Potassiur e is a source c		
metabolic byp phosphate is u divalent cation QC Tests - (I)I Colour: Appearance pH (post auto Colour (post Clarity (post Cultural chat 37°C for 24 MICROORGA Candida alb Escherichia Salmonella	products. Sodium py used to balance the pused to be a solid to be a soli	ruvate increpH and pross the solidife C C F C C F C C C C F C C C C C C C C	ecovery of injured of eases the recovery of injured. Mag ving agent. ream to yellow omogeneous Free Flow 1.2 ± 0.2 ght yellow lear to slightly opales andard ATCC cultures GROWTH Good - Luxuriant	organisms by of stressed conesium Sulfat wing powder cent after an incub	absorbing toxicells. Potassiur is a source of the source o		

Refer disclaimer Overleaf

infectious materials.

BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

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. R2A Agar is intended for water samples for recovery of stressed or injured organisms.							
Use :	For heterotrophic plate count of treated potable water using longer incubation periods in accordance with BP.							
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Packing :	500 gm. bottle							
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization			
B399	18.12 g/l	27.59 L	7.2 <u>+</u> 0.2	Nil	121ºC/15 min.			

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.

Rev: September 2021