BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

BS033	NIACIN ASSA	(MEDIU	М			
Formula						
Ingredients :			gms/lit.			
Casein acid hydrolysate vitamin free			12.00			
Dextrose		40.00				
Sodium acetate		20.00				
L-Cystine		0.40				
DL- Tryptophan			0.20			
Adenine sulphate		0.02				
Guanine hydrochl	oride		0.02			
Uracil			0.02			
	Thiamine hydrochloride		0.0002			
Calcium pantothe			0.0002			
Pyridoxine hydrochloride		0.0004				
Riboflavin		0.0004				
p-Amino benzoic acid			0.0001			
Biotin			0.0008			
Dipotassium phosphate			1.00			
Monopotassium phosphate			1.00			
Magnesium sulphate			0.40			
Sodium chloride			0.02			
Ferrous sulphate			0.02			
Manganese sulphate			0.02			
Final pH (at 25°C): 6.8 <u>+</u> 0.2					
Directions :						
Suspend 7.51 gms. in 100ml distilled water. Boil to dissolve the medium completely. Mix well to						
						say tube (containing
						er tube with distilled
water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 10 minutes. Cool immediately. Generally						
				amide at levels	of 0, 0.01, 0.0	2, 0.04, 0.06, 0.08,
0.1, 0.12 micrograms per assay tube (10ml).						
Principle :						
This medium is f	ree from nicotini	c acid ar	nd its analo	gs but containi	ng all other nut	trients and vitamins
essential for the cultivation of L-plantarum ATCC 8014. The addition of nicotinic acid or its analogs in						
specified increasi	ng concentration	s gives a	a growth re	sponse that ca	n be measured	turbidometrically or
titrimetrically.						
QC Tests – (I)Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Clear				
(III)Q.C. Test Microbiological						
		is carried				
	I assav of Macin			actobacillus pla	ntarum (8014).	After 16-18 hrs.
incubation at 35-37°C good growth is obtained. Gradual increase in growth with increasing concentrations of Standard Niacin – 0.0, 0.025, 0.075, 0.1, 0.125, 0.15, 0.2 and 0.25 mcg per assay						
	35-37°C good gro	owth is ol	btained. Gr	adual increase i	n growth with ir	
concentrations	35-37°C good gro s of Standard Nia	owth is ol cin – 0.0	btained. Gr , 0.025, 0.0	adual increase i 75, 0.1, 0.125,	n growth with ir	ncreasing
concentrations tube is record	35-37°C good gro s of Standard Nia ed as equivalent	owth is ol cin – 0.0 increase	btained. Gr , 0.025, 0.0	adual increase i 75, 0.1, 0.125,	n growth with ir	ncreasing
concentrations	35-37°C good gro s of Standard Nia ed as equivalent 1. For Laborato	owth is ol cin – 0.0 increase ry Use.	btained. Gr , 0.025, 0.0 in absorban	adual increase i 75, 0.1, 0.125, ce at 620 nm.	n growth with ir 0.15, 0.2 and 0	ncreasing .25 mcg per assay
concentrations tube is record	35-37°C good gro of Standard Nia ed as equivalent <u>1. For Laborato</u> 2. Follow proper	owth is ol cin – 0.0 increase ry Use. , establis	btained. Gr , 0.025, 0.0 in absorban	adual increase i 75, 0.1, 0.125, ce at 620 nm.	n growth with ir 0.15, 0.2 and 0	ncreasing .25 mcg per assay
concentrations tube is record Precautions :	35-37°C good gro of Standard Nia ed as equivalent <u>1. For Laborato</u> 2. Follow proper infectious mater	owth is ol cin – 0.0 increase ry Use. , establis ials.	btained. Gr , 0.025, 0.0 in absorban hed laborato	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures	n growth with ir 0.15, 0.2 and 0 in handling and	ncreasing .25 mcg per assay disposing of
concentrations tube is record	 35-37°C good gross of Standard Nia as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut 	owth is ol cin – 0.0 <u>increase</u> ry Use. , establis ials. ritional re	btained. Gr , 0.025, 0.0 in absorban hed laborate	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v	n growth with ir 0.15, 0.2 and 0 in handling and ary, some strair	ncreasing .25 mcg per assay disposing of
concentrations tube is records Precautions : Limitations :	 35-37°C good gross of Standard Nia as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha 	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this	n growth with ir 0.15, 0.2 and 0 in handling and ary, some strair medium.	ncreasing .25 mcg per assay disposing of ns may be
concentrations tube is record Precautions :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acid	n growth with ir 0.15, 0.2 and 0 in handling and ary, some strair medium. d) or Niacinamid	ncreasing .25 mcg per assay disposing of ns may be
concentrations tube is records Precautions : Limitations : Use :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow say of Niaci 8014) as th	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acia e test organism	in growth with ir 0.15, 0.2 and 0 in handling and ary, some strain medium. d) or Niacinamid	ncreasing .25 mcg per assay disposing of ns may be
concentrations tube is records Precautions : Limitations : Use : Storage :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla Dehydrated med	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow say of Niaci 8014) as th	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acia e test organism	in growth with ir 0.15, 0.2 and 0 in handling and ary, some strain medium. d) or Niacinamid	ncreasing .25 mcg per assay disposing of ns may be
concentrations tube is records Precautions : Limitations : Use : Storage : Packing :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla Dehydrated med 500 gm. bottle	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (lium and	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grov ssay of Niaci 8014) as th prepared m	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acid e test organism redium– Betwee	in growth with ir 0.15, 0.2 and 0 in handling and ary, some strair medium. d) or Niacinamid en 2 to 8°C.	acreasing .25 mcg per assay disposing of as may be le using
concentrations tube is records Precautions : Limitations : Use : Storage :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla Dehydrated med 500 gm. bottle Reconstitution	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (lium and Quantity	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow ssay of Niaci 8014) as th prepared m on	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acia e test organism	in growth with ir 0.15, 0.2 and 0 in handling and ary, some strain medium. d) or Niacinamid	ncreasing .25 mcg per assay disposing of ns may be
concentrations tube is records Precautions : Limitations : Use : Storage : Packing : Product profile:	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla Dehydrated med 500 gm. bottle Reconstitution	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (lium and Quantity Preparatio	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow ssay of Niaci 8014) as th prepared m on on (100g)	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acid e test organism redium– Betwee pH (25°C)	n growth with ir 0.15, 0.2 and 0 in handling and ary, some strain medium. d) or Niacinamid en 2 to 8°C. Supplement	Acreasing .25 mcg per assay disposing of as may be le using Sterilization
concentrations tube is records Precautions : Limitations : Use : Storage : Packing :	35-37°C good gro of Standard Nia ed as equivalent 1. For Laborato 2. Follow proper infectious mater 1. Since the nut encountered tha For the microbio Lactobacillus pla Dehydrated med 500 gm. bottle Reconstitution	owth is ol cin – 0.0 increase ry Use. , establis ials. ritional re t fail to g logical as ntarum (lium and Quantity Preparatio	btained. Gr , 0.025, 0.0 in absorban hed laborate equirements row or grow ssay of Niaci 8014) as th prepared m on	adual increase i 75, 0.1, 0.125, ce at 620 nm. ory procedures of organisms v v poorly on this in (Nicotinic acid e test organism redium– Betwee	in growth with ir 0.15, 0.2 and 0 in handling and ary, some strair medium. d) or Niacinamid en 2 to 8°C.	acreasing .25 mcg per assay disposing of as may be le using

Refer disclaimer Overleaf

BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

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