## BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

	B369 S. T. A. AGAR BASE								
Peptic digest of animal tissue       20.00         Yeast extract       2.00         Dipotassium hydrogen phosphate       1.00         Agar       13.00         Final PH (at 25°C):       7.0 ± 0.2         Dipotassium Sulphate, heptahydrate       13.00         Final PH (at 25°C):       7.0 ± 0.2         Directions:       Suspend 18.24 grams (the equivalent weight of dehydrated powder) in 495 ml distilled water containing 7.5 grams gyberol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of 1 vial o S.T.A. Selective Supplement (BF105). Mlx well and pour into sterile Petri plates.         Principle:       Principle:         Preptic digest of animal tissue and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Phosphate buffers the medium. The supplement contains streptomycin, cycloheximide, thallous acetate which makes the medium selective by inhibiting most of the organisms.         Prepare homogenate of meet product to be tested by blending or in a stomacher. Prepare decimal dilutions of it in saline peptone water and spread on the whole plate or inoculate by streaking. Incubate at 22°C for 48 hours with or without an irregular margin which may be seen as masses of woven threads. Occasional yeast and Pseudomonas colonies may grow. The latter may be confirmed by flooding oxidase reagent on the plate, blue colonies should be subtracted from the total.         QC Tests - (Dbehydrated Medium       [Colour (Dest autoclaving/heating) : [7.0 ± 0.2]									
Yeast exiract       2.00         Dipotassium sulphate, heptahydrate       1.00         Agar       13.00         Final pH (at 25°C) : 7.0 ± 0.2       Directions :         Suspend 18.24 grams (the equivalent weight of dehydrated powder) in 495 ml distilled water containing 7.5 grams glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (12°C) for 15 minutes. Cool to 45-50°C and aseptically add rehydrated contents of 1 vial o 5.T.A. Selective Supplement (BF105). Mix well and pour into sterile Petri plates.         Principle :       Petric digest of animal tissue and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Phosphate buffers the medium. The supplement contains streptomycin, cycloheximide, thallous acetate which makes the medium selective by inhibiting most of the organisms. Prepare homogenate of meat product to be tested by blending or in a stomacher. Prepare decimal dilutions of it in saline peptone water and spread on the whole plate or inoculate by streaking. Incubate at 22°C for 48 hours. After incubation observe white or semi-transparent convex colonies with or without an irregular margin which may be seen as masses of woven threads. Occasional yeast and Pseudomonas colonies may grow. The latter may be confirmed by flooding oxidase reagent on the plate, blue colonies should be subtracted from the total.         QC Tests - (1)Dehydrated Medium       Colour (post autoclaving/heating):       I/O ± 0.2         [Calour (post autoclaving/heating):       I/O ± 0.2       Colour (post autoclaving/heating):       Colour ± 0.2         [Calour (post autoclaving/heating):       I/O				gms	s/lit.				
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Salmonella Enteritidis (13076)       inhibited         Staphylococcus aureus (25923)       inhibited         Candida albicans (10231)       none-poor         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 :       It is recommended for the isolation of Brochothrix thermosphacta from meat products.         Storage :       Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.         Packing :       500 gm. bottle         Product       Reconstitution       Quantity on Preparation (500g)       PH (25°C)       Supplement       Sterilization         B369       36.48g/l       13.706L       7.0 ± 0.2       S.T.A.       Selective Supplement (BF105).	Enterococcu	is faecalis (292)	12)		inhibited				
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Staphylococcus aureus (25923)       inhibited         Candida albicans (10231)       none-poor         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 :       It is recommended for the isolation of Brochothrix thermosphacta from meat products.         Storage :       Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.         Packing :       500 gm. bottle         Product       Reconstitution       Quantity on Preparation (500g)       pH (25°C)       Supplement       Sterilization         B369       36.48g/l       13.706L       7.0 ± 0.2       S.T.A.       Selective Supplement (BF105).	Salmonella Enteritidis (13076)				-				
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	B369	36.48g/l 13.706		L	7.0 ± 0.2				

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