

TECHNICAL SHEET

B940	BAIRD PARKER AGAR W/SULPHA		
Formula			
Ingredients :	gms/lit.		
Casein enzymic hydrolysate	10.00		
Meat extract B#	5.00		
Yeast extract	1.00		
Glycin	12.00		
Sodium pyruvate	10.00		
Lithium chloride	5.00		
Sulphamethazine	0.05		
Agar	20.00		
# Equivalent to Beef extract			
Final pH (at 25°C) : 7.0 ± 0.2			
Directions :			
Suspend 63 gms. in 950 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 50 ml concentrated Egg Yolk Emulsion and 3 ml. sterile 3.5% Potassium Tellurite solution or 50 ml. Egg Yolk Tellurite Emulsion. Mix well and Pour into sterile petri plates.			
Principle :			
Sodium pyruvate protects injured cells and helps recovery. Lithium chloride and potassium tellurite inhibit most of the contaminating microflora except Staphylococcus aureus. Glycine, pyruvate enhances growth of Staphylococcus. Casein enzymic hydrolysate, beef extract and yeast extract provide essential nutrients and vitamins. With the addition of egg yolk, the medium becomes yellow, opaque. Proteolytic bacteria produce a clear zone around colony in egg yolk containing media. A clear zone and grey-black colonies on this medium are diagnostic for coagulase positive Staphylococci. Upon further incubation, an opaque zone is developed around colonies which can be due to lipolytic activity. Addition with sulpha supplement inhibits swarming of Proteus species.			
QC Tests – (I) Dehydrated Medium			
Colour :	Cream to yellow		
Appearance :	Homogeneous Free Flowing powder		
(II) Rehydrated medium			
pH (post autoclaving/heating) :	7.0 ± 0.2		
Colour (post autoclaving/heating) :	A : Basal medium : Cream to light amber B : (After addition of egg yolk tellurite emulsion) : Cream to yellow		
Clarity (post autoclaving/heating) :	A : Clear to slightly opalescent B : Opaque		
(III) Q.C. Test Microbiological			
Cultural characteristics observed after 24 - 48 hrs at 35-37° C.			
MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY	LECITHINASE
*Proteus mirabilis (25933)	Noon to poor	brown – black	-
Staphylococcus aureus (25923)	Good to luxuriant	grey black shiny	+
Staphylococcus epidermidis (12228)	Poor to good	black	-
Micrococcus leuteus(10240)	Poor to good	very small, brown black	-
Bacillus subtilis (6633)	None to poor	dark brown matt	-
Escherichia coli (25922)	None to poor	large brown black	-
* Proteus species show none to poor growth without swarming.			

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Precautions :	1. For Laboratory Use.				
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
	3. HARMFUL. Irritating to eyes, respiratory system and skin. May cause harm to the unborn child. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Blood, Kidneys, Nerves.				
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 isolation and enumeration of coagulase positive Staphylococci from food and other materials suppressing the growth and swarming of Proteus species.				
Storage :	Dehydrated medium- below 30°C Prepare fresh plate medium for best results.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B940	63g/l	7.936L	7.0 ± 0.2	concentrated Egg Yolk Emulsion and 3 ml. sterile 3.5% Potassium Tellurite solution or 50 ml. Egg Yolk Tellurite Emulsion	121°C / 15 minutes

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.