B342	TRYPTOSE BLOOD AGAR BASE

Formula	
Ingredients :	**gms/lit.**
Tryptose Meat Extract B # Sodium chloride Agar # Equvivalent to Beef extract	10.00 3.00 5.00 15.00

Final pH (at 25°C) : 7.2 ± 0.2

Directions :

Suspend 33 grams in 950 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the autoclaved medium to 45 - 50°C and aseptically add 5% v/v sterile defibrinated blood. Mix thoroughly, avoiding air bubbles and pour into sterile Petri plates.

Principle :

Tryptose is the source of nitrogen, carbon and amino acids in Tryptose Blood Agar Base. Meat extract B provides additional nitrogen, Agar is the solidifying agent. Sodium chloride maintains osmotic balance. Supplementation with 5-10% blood provides additional growth factors for fastidious microorganisms, and is used to determine hemolytic patterns of bacteria.

QC Tests – (I)Dehydrated Medium	
Colour :	Cream to yellow
Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium	
pH (post autoclaving/heating) :	7.2 ± 0.2
Colour (post autoclaving/heating) :	a) Basal medium : Yellow b) With addition of 5% v/v defibrinated sterile blood :Cherry red.
Clarity (post autoclaving/heating) :	a) Clear to slightly opalascent b) Opaque

(III)Q.C. Test Microbiological

Cultural characteristics observed after 18 – 48 hrs.at 35-37°C.

MICROORGANISM (ATCC)	GROWTH W/O BLOOD	GROWTH W BLOOD	Haemolysis
Neisseria meningitidis (13090)	Good - luxuriant	Luxuriant	None
Staphylococcus aureus (25923)	Good - luxuriant	Luxuriant	Beta/Gamma
Staphylococcus epidermidis (12228)	Good - luxuriant	Luxuriant	Gamma
Streptococcus pneumoniae (6303)	Fair-Good	Good	Alpha
Streptococcus pyogenes (19615)	Fair-Good	Good	Beta

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:	Recommended for the isolation of fastidious organisms and determining the haemolytic reactions.
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
B342	33g/l	15.15L	7.2 ± 0.2	5% v/v sterile defibrinated blood.	121^{0}C /15 min.

Refer disclaimer Overleaf

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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.
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