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## HY-LABS BLOOD AGAR LINE

Our conventional very well known TSA, Columbia and BAB blood agar plates of which the basic formulae has been improved by the media manufacturers are routinely used at Hy-Labs and can be supplied as follows:

### PETRI DISHES

#### **PD005 - Blood Agar Base + Defibrinated Sheep Blood**

For cultivation of fastidious microorganisms and determination of haemolytic activity.

#### **PD134 - Columbia Agar + Defibrinated Sheep Blood**

For the cultivation of fastidious microorganisms such as *Meningococci*, *Pneumococci* and *Streptococci*, and for the determination of the haemolytic activity of the last group.

#### **PD049 - Tryptic Soy Agar + Defibrinated Sheep Blood**

Improved TSA blood plates which produce luxuriant growth of pathogens *Streptococci* and larger zones of haemolysis to aid in detection.

Hy-Labs offers a new line of different selective preprepared blood media in Petri dishes that enable the recovering of *Staphylococcal* and/or *Streptococcal* strains, according to their haemolytic reactions, inhibiting at the same time the conventional contaminant bacteria, as follows:

#### **PD093 - CNA Columbia Agar + Defibrinated Sheep Blood**

For the isolation of more fastidious microorganisms to which the addition of special inhibitors (Colistin and Nalidixic Acid) make it highly selective for Gram positive-cocci, *Staphylococci* and *Streptococci*, particularly when Gram negative bacilli (e.g. *Proteus*) are present and tend to overgrow on conventional blood agar plates.

#### **PD094 - Select Strep TSA + Defibrinated Sheep Blood**

For the isolation of more fastidious microorganisms to which special inhibitors make it highly selective only for *Streptococci*, inhibiting almost all competitive flora, including *Staphylococci* and Gram negative bacilli (e.g. *Proteus* and *Pseudomonas*) which tend to overgrow on conventional blood agar plates when present.

#### **PD095 - Select Strep TSA + Defibrinated Sheep Blood + Aesculin**

Highly selective due to the addition of special inhibitors making it highly selective for *Streptococci*, particularly when Gram negative bacilli (e.g. *Proteus*) are present and tend to overgrow on conventional plates. Group D *Streptococci* are capable of hydrolyzing Aesculin to glucose and aglycone 6-7 dihydroxycumarin: The aglycone reacts with the iron salts in the medium giving them a black coloring. Group B *Streptococci* can be identified by the "camp effect" by making a single streak of the unknown bacteria perpendicularly to a strain of *Staphylococcus aureus* that is known to be crystal violet resistant and produces beta-Lysin.



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### **PD133 - Streptococci Select Medium**

A selective enriched medium for the isolation of haemolytic *Streptococcus* from throat swabs and other clinical specimens. It favors growth of Beta haemolytic *Streptococci* ensuring luxuriant growth of the most fastidious microorganisms within 24 hours at 37°C (anaerobically) while the absolutely unique combination of microbial agents contained in the medium inhibits Gram negative and Gram positive bacteria except for Beta - haemolytic *Streptococci* which are not affected, and can be differentiated by their typical haemolytic reaction. A zone of growth inhibition around a bacitracin (0.04 units) disc allows the specific differentiation of group A Beta haemolytic *Streptococci*.

### **PD214 – Group A Streptococci Agar (GASA)**

Highly selective, the addition of a combination of different antimicrobial agents provide complete inhibition of gram-negative bacteria, as well as *Staphylococci* and most other *Streptococci*. The formula includes Beta-haemolytic enhancement factors and the addition of 5% sheep blood allow the better detection of haemolytic patterns on this improved base. The use of a bacitracin disc, (0.04 units) aids in the identification of the *S. pyogenes*.  
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### **ANAEROBIC LINE**

#### **PD162 - CDC Anaerobic Blood Agar**

TSA + 5% sheep blood supplemented with yeast extract, hemin, vitamin K1 and L-cystine. Non-selective blood agar for primary isolation of ALL anaerobes found in clinica, including the most fastidious (*Bac. melaninogenicus*, *F. necrophorum*).

#### **PDA170 - CDC +Amikin Anaerobic Blood Agar**

TSA+5% sheep blood supplemented with yeast extract, hemin, Vit K1, and L-cystine. Selective for pathogenic anarobes in clinica.

#### **PD072 - Tryptic Soy Agar + Defibrinated Sheep Blood + Amikin**

Highly selective culture media that inhibits competitive Gram negative flora, improved with growth factors that assure a luxuriant growth of anaerobic microorganisms.

#### **PD016 - Gardnerella Agar**

Selective, inhibitory to Gram positive and negative competitive flora, *Gardnerella* strains are identified by its' β-haemolysis on human blood when incubated anaerobically.



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## **DIVIDED PLATES**

### **DD003 – Blood / MacConkey Agar**

General use and haemolytic activity and differentiation of *Enterobacteriaceae*.

### **DD042 – CNA Columbia + Blood / Chromagar Orientation**

Isolation and identification of urinary tract pathogens.

### **DD037 – TSA + Blood / Select Strep Blood Agar**

General use and haemolytic activity / Selective isolation of streptococci and haemolytic activity.

### **DD047 – Streptococci Select Medium / Streptococci Select Medium.**

Selective isolation of streptococci and haemolytic activity.

## **OTHERS**

### **PD063 - Hy-Campylobacter Medium**

A highly selective medium with a mixture of six antibacterial agents that inhibits growth of competitive enterobacterial agents and allows growth of all Campylobacter strains in a micro-aerophilic environment.

### **PDA164 - Cystine Tellurite(CT) Blood Agar**

Modification of Tinsdale's medium for primary isolation of *Corynebacterium diphtheria*, that grows in large, flat tellurite positive black grey colonies. *Staphylococci* and *Streptococci* strains are inhibited.

## **TEST TUBES**

### **TT150 - Blood Agar Base+ Defibrinated Sheep Blood**

Slanted test tubes for general use and especially for stock of *Streptococci* and *Pneumococci* strains.

### **TT154 - Tryptic Soy Agar (TSA) + Defibrinated Sheep Blood**

Slanted test tubes for general use and especially for stock of *Streptococci* and *Pneumococci* strains.