

### Specification

Nutrient rich medium, suitable for the isolation of pathogenic microorganisms from clinical specimens.

### Formula \* in g/L

|                       |       |
|-----------------------|-------|
| Meat extract .....    | 10.00 |
| Tryptone .....        | 10.00 |
| Sodium chloride ..... | 5.00  |
| Agar .....            | 15.00 |

Final pH 7.3 ±0.2 at 25 °C

\* Adjusted and /or supplemented as required to meet performance criteria

### Directions

Suspend 40 g of powder in 950 mL of distilled water. Heat to the boiling point and distribute into suitable containers. Sterilize in the autoclave at 121°C for 15 minutes. Let it cool to 45-50°C and then add defibrinated blood in a proportion of about 5% or to the desired enrichment level.

### Description

Blood Agar Base may be used for the cultivation of non fastidious microorganisms, since it has a balanced nutrient base. For fastidious microorganisms, it is advisable to add special enrichment supplements, such as ascitic liquid, egg yolk, etc...

This medium, with the addition of blood, is suitable for studies in haemolytic activity, but for the isolation of pathogens Blood Agar Base Columbia type (Art. No. DSHB3017) is recommended.

### Quality control

**Incubation temperature:** 37 °C ± 1.0

**Incubation time:** 24-48 h

**Inoculum:** Practical range 100 ± 20 CFU. min. 50 CFU (productivity), according to ISO 11133:2014/Amd 1:2018. Spiral Plate Method.

### Microorganism

*Staphylococcus aureus* ATCC® 6538  
*Enterococcus faecalis* ATCC® 19433  
*Escherichia coli* ATCC® 8739  
*Streptococcus pyogenes* ATCC® 19615  
*Streptococcus pneumoniae* ATCC® 49619  
*Streptococcus agalactiae* ATCC® 12386

### Growth

Productivity > 0.70  
 Productivity > 0.70  
 Productivity > 0.70  
 Productivity > 0.70  
 Productivity > 0.70  
 Productivity > 0.70

### Remarks

β-hemolysis  
 g-hemolysis  
 β-hemolysis  
 β-hemolysis  
 α-hemolysis  
 β-hemolysis

### References

- ATLAS, R.M. and L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, London.
- ISO 11133:2014/ Adm 1:2018. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

### Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).