

MM0109**Blood Agar Base****Use and description:**

Basic medium for Blood Agar, for isolation and cultivation of fastidious bacteria and for detection of haemolytic activity of streptococci and other microorganisms. Completed medium is prepared with 5 to 10% blood. Blood Agar Base can be used as general purpose medium for the cultivation of a wide range of microorganisms.

Composition per liter:

Peptone.....10.0 g
Beef extract.....10.0 g
Sodium chloride.....5.0 g
Agar.....12.0 g

Final pH of the ready to use medium: 7.4 ± 0.2

Medium preparation:

Add 37.0 grams of dehydrated culture medium to 1 liter of distilled water. Mix thoroughly. Heat with frequent agitation and boil for 1 min to completely dissolve. Autoclave for 15 min at 121°C. Cool to 45-50°C. Aseptically add 5-10% of sterile, defibrinated blood. Mix thoroughly and pour into sterile Petri dishes.

Quality specifications:

Dehydrated medium: homogeneous, light beige fine powder.
Ready to use medium: opaque and cherry red when blood added.

Microbiological response:

Organism	Result	Haemolysis
<i>Staphylococcus aureus</i> ATCC 25923	Growth	Beta
<i>Streptococcus pneumoniae</i> ATCC 6305	Growth	Alpha
<i>Streptococcus pyogenes</i> ATCC 19615	Growth	Beta

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.

**For references please turn appendix 1.
For supplement details please turn appendix 2.**