

Blood Agar Base

Product: Blood Agar Base

Catalogue Number: i23020

Content: 500 g

Use: Blood Agar Base (Infusion Agar), with the addition of sterile blood, is used for the isolation, cultivation and detection of hemolytic activity of streptococci and other fastidious microorganisms.

Principle: Infusion from heart muscle, casein peptone and yeast extract provide nitrogen, carbon, amino acids and vitamins in Blood Agar Base. Medium contains sodium chloride to maintain osmotic equilibrium and agar is the solidifying agent. Supplementation with blood (5-10%) provides additional growth factors for fastidious microorganisms, and is the basis for determining hemolytic reactions. Hemolytic patterns may vary with the source of animal blood or type of base medium used.

Composition g / l:

Beef heart peptone	10.000
Tryptose	10.000
Sodium chloride	5.000
Agar	15.000

Dehydrated Appearance: Fine, homogeneous, free of extraneous material.

Solution: 4.0% solution, soluble in purified water upon boiling. Solution is medium, yellow to tan, clear to very slightly hazy.

Prepared Appearance: Plain – Medium, yellow to tan, clear to slightly hazy. With 5% sheep blood – Cherry red, opaque.

pH at 25 °C: 7.3 ± 0.2

Storage: Store at 15-30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label

Shelf life: If stored under recommended conditions the unopened container has a shelf-life of 3 years after day of production (see expiry date on the label).