

Hemoglobin

Cat. 1935

Ingredients

Practical information

| Applications | Categories |
|--------------|-------------|
| Enrichment | General use |

Industry: Ingredients for culture media

Principles and uses

Hemoglobin is an animal protein produced out of fresh bovine blood.

It forms a stable solution at 2% after sterilization. It is used as an enrichment substance in certain culture media such as Trypticasein Phosphate Broth, to isolate by hemoculture fastidious germs as Haemophilus, Streptococcus, etc. and especially to prepare the Chocolate Agar Media, widely used in the isolation of pathogenic Neisseria, Gonococcus and Meningococcus.

Physical-chemical characteristics

| Description | Specification | Typical Analysis |
|-------------|---------------|-----------------------------|
| Ash | | 4% |
| Moisture | <=9,0% | 8% |
| Appearance | | Dark red crystalline powder |
| Arsenic | | <0,2 ppm |
| Lead | | <0,1 ppm |
| Mercury | | <0,1 ppm |
| Cadmium | | <0,05 ppm |
| pH | | 8-10 |
| Proteins | >=90% | 92% |
| Fats | | 0,2% |
| Solubility | | 90% |

Microbiological test

| Description | Specification |
|--------------------|---------------|
| E. coli | <100 CFU/g |
| Enterobacteriaceae | <1.000 CFU/g |
| Yeast | <1.000 CFU/g |
| Moulds | <1.000 CFU/g |

Storage

Temp. Min.: 2 °C
Temp. Max.: 25 °C