

## Mueller Hinton Broth

**Product:** Mueller Hinton Broth (Not Cation-Adjusted)

**Catalogue Number:** i23119

**Content:** 500 g

**Use:** Mueller Hinton Broth is a general purpose medium that may be used in the cultivation of a wide variety of fastidious and nonfastidious microorganisms. This medium is not supplemented with calcium or magnesium ions.

**Principle:** Acid hydrolysate (digest) of casein and beef extract supply amino acids and other nitrogenous substances, minerals, vitamins, carbon and other nutrients to support the growth of microorganisms. Starch acts as a protective colloid against toxic substances that may be present in the medium. Hydrolysis of the starch during autoclaving provides a small amount of dextrose, which is a source of energy.

### Composition g / l:

Beef extract powder	2.000
Casein acid hydrolysate	17.500
Starch	1.500

**Dehydrated Appearance:** Light beige, fine, free-flowing.

**Solution:** 2.1% solution, soluble in purified water upon boiling. Solution very light amber, clear, may have a slight precipitate.

**Prepared Appearance:** Light amber, clear, may have a slight precipitate.

**pH at 25 °C:**  $7.3 \pm 0.2$

**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).