

## Mueller Hinton Agar

**Product:** Mueller Hinton Agar

**Catalogue Number:** i23118

**Content:** 500 g

**Use:** Mueller Hinton Agar is recommended for antimicrobial disc diffusion susceptibility testing of common, rapidly growing bacteria by the Bauer-Kirby method,1-3 as standardized by the Clinical and Laboratory Standards Institute (CLSI).

**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. Agar is the solidifying agent.

### Composition g / l:

Beef extract powder	20.000
Casein acid hydrolysate	17.500
Starch	1.500
Agar	17.000

**Dehydrated Appearance:** Fine, free-flowing.

**Solution:** 3.8% solution, soluble in purified water upon boiling. Solution is light to medium, yellow to tan, trace hazy to slightly hazy.

**Prepared Appearance:** Light to medium, yellow to tan, trace hazy to slightly hazy.

**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).