

# D-(+) Glucose

Glucose is a source of energy readily available for bacteria in fermentation tests.

## • PHYSICO-CHEMICAL CHARACTERISTICS

|                     | Standard |
|---------------------|----------|
| Molecular weight    | 180.16   |
| Solubility in water | Soluble  |
| Loss on drying      | ≤ 1.0%   |
| Sulfate             | ≤ 0.01%  |
| Ash                 | ≤ 0.1%   |
| Assay               | ≥ 98.5%  |

## • INTERPRETATION

Glucose is a source of energy readily available for bacteria in fermentation tests. It is free from other sugars and from starch, proteins and metals. In liquid media is used generally at 0.5% concentration; high concentrations are used for the preparation of solid media.

## • TECHNIC

Glucose can be used as an ingredient of dehydrated medium and needs dissolution in distilled or deionized water and sterilization by autoclave.

## • QUALITY CONTROL FOR USE

### Dehydrated powder

Appearance: free-flowing, homogeneous

Color: white

## • STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration are evident.

## • PACKAGE

|   |       |
|---|-------|
| Cat. No : MB-C4398<br>D-(+) Glucose     | 500 G |
| Cat. No : MB-C4398-1kg<br>D-(+) Glucose | 1 KG  |
| Cat. No : MB-C4398-5kg<br>D-(+) Glucose | 5 KG  |