

### Product Name

Name: Hank's Balanced Salts, without Calcium, Magnesium, Phenol Red

Cat. No.: C3571-0500

Size: 500 mL

### Product Description

All cell culture media have a basis of a synthetic mixture of inorganic salts known as the physiological or balanced salt solution (BSS). All the physiological salt solutions are derived from the salt solution originally described by Sydney Ringer (1885). The first balanced salt solution developed specifically for supporting the metabolism of mammalian cells was Tyrode's solution. Since then, many modifications have been done to obtain better buffering salt solutions and to prevent calcium precipitation. Hank's Balanced Salts is designed to equilibrate with air, hence does not require a CO<sub>2</sub> - air mixture environment. It does not contain calcium, magnesium, and phenol red.

### Composition

Ingredients	mg/L	Ingredients	mg/L
<b>INORGANIC SALTS</b>			
Disodium hydrogen phosphate	48.000	Sodium chloride	8000.000
Potassium chloride	400.000	Sodium bicarbonate	350.000
Potassium dihydrogen phosphate anhydrous	60.000		
<b>OTHERS</b>			
D-glucose	1000.000		

### Storage and Stability

The product should be kept at **15 - 30°C**.

The product is **light-sensitive** and therefore should not be left in the light.

Shelf life: 24 months from date of manufacture.

### Procedure

1. Take a bottle and read the label.
2. Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol.
1. Pipette an appropriate volume of the product using an aseptic/sterile technique under a laminar-flow culture hood.
3. Antibiotics may be added if desired.

### Quality Control

Hank's Balanced Salts, without Calcium, Magnesium, Phenol Red is tested for sterility, pH, osmolality, and endotoxin concentration.

**Precaution and Disclaimer**

For research use only, not for clinical diagnosis, and treatment.