

**【Product Name】**

Name: Hanks' Balanced Salt Solution

Cat. No: C3570-0500、C3570-0100

Specifications: 500ml、100ml

**【Product Description】**

All media used in tissue culture have a basis of a synthetic mixture of inorganic salts known as a physiological or balanced salt solution (BSS). All the physiological salt solutions have been derived from the salt solution originally described by Sydney Ringer (1885). The first balanced salt solution to be 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.

The function of a salt solution is:

To maintain the medium within physiological pH range.

To maintain intracellular and extra cellular osmotic balance.

Modified with a carbohydrate, such as glucose serves as an energy source

It is most commonly used for tissue disaggregation and monolayer dispersal since presence of Calcium and Magnesium ions may hinder the trypsin activity. It is also used for routine immunohistochemical testing and as a general purpose solution for washing cells in various haematological and molecular biology procedures.

**【Composition】**

Ingredients	Mg/L
<b>INORGANIC SALTS</b>	
Disodium hydrogen phosphate, anhydrous	1150.000
Potassium dihydrogen phosphat	144.000
Sodium chloride	9000.000

**【Storage and Stability】**

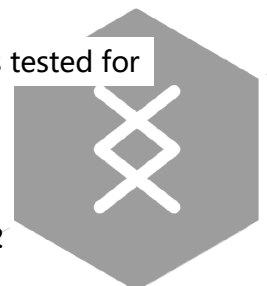
The product should be stored at room temperature (15-30°C). The product should not be left in the light for prolonged periods as it is light-sensitive. When stored in the dark under ideal conditions, the product is stable until the expiry date

**【Procedure】**

1. Take a bottle from the defined storage conditions at Room Temperature (15-30°C) and read the label.
2. Ensure that the cap of the bottle is tight.
3. Gently swirl the solution in the bottle.
4. Wipe the outside of the bottle with a disinfectant solution such as 70% ethanol.
5. Using aseptic/sterile technique under a laminar-flow culture hood, work according to established protocols.

**【Quality Control】**

Phosphate Buffered Salined is tested for



sterility, pH, Osmolality and Endotoxin concentrations.

### **【Precaution and Disclaimer】**

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

