# D-Hank's Balanced Salt Solution (D-HBSS), Water For Injection (WFI)

**Cat. No.: PB180321W**

**Size: 500mL**

## General Information

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|---|---|
| **Product Form** | Liquid |
| **Concentration** | 1 × |
| **pH** | 7.0-7.4 |
| **Endotoxin** | < 0.25 EU/mL |
| **D-Glucose** | 1000 mg/L |
| **$Ca^{2+}$** | Negative |
| **Phenol red** | Negative |
| **Sodium Bicarbonate ($NaHCO_3$)** | 350 mg/L |
| **$Mg^{2+}$** | Negative |
| **Storage** | 2-30°C |
| **Shipping** | Room Temperature |
| **Expiration date** | 36 months |

## Background

Balanced Salt Solution (Physiological Solution) has the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro.

D-Hank's Balanced Salt Solution (D-HBSS) is one of the commonly used phosphate buffers in cell separation or culture. The main components are NaCl、KCl、$KH_2PO_4$、$Na_2HPO_4$、$NaHCO_3$ and glucose. D-Hank's balanced salt solution (WFI) is prepared using injection water. Compared to conventional D-Hank's balanced salt solution, it has the advantage of ultra-low endotoxin. In addition to its normal use for tissue block rinsing, cell washing, cell or tissue transportation, preparation of other reagents, and as a diluent for cell counting, it can also be used in different applications targeting ultra-low endotoxins.

## Guidelines for use

1. Buffered saline solutions have many uses in cell culture protocols such as cell washing, diluents, or as research sample holding solution.
2. Live cellular suspensions prepared in a buffered saline solution should not be stored longer than several hours, as cellular viability may decrease. Therefore, the suitability of the buffered saline solution for a specific cell type should be tested before use.

## Product characteristics

This product has the characteristics of ultra-low endotoxin and small inter batch difference.

## Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.