

## HBSS (Hank's Balanced Salt Solution)

Identification of product	Product name	Specification	Save
H1146	HBSS, free of calcium, magnesium ions and phenol red, contains 15mM HEPES	500 mL	RT, 2 years
H1147	HBSS, free of calcium and magnesium ions, containing phenol red and 15mM HEPES	500 mL	RT, 2 years

### Description of products

Hank's Solution is the most commonly used Balanced Salt Solution (HBSS) in biological experiments, which is mainly used for rinsing tissue blocks during cell culture, rinsing cells, and preparing other reagents.

A major difference between D-Hank's and Hank's is that D-Hank's does not contain calcium and magnesium ions, so D-Hank's can be used to prepare trypsin digestion solution (calcium and magnesium ions inhibit trypsin activity). Phenol red in buffer acts as a pH indicator.

The HBSS buffer produced by Solarbio is a ready to use, filtered and sterilized solution, which can be directly used for routine purposes such as cell washing in the cell culture process, without any treatment such as dilution or filtration before use.

### Composition

(Unit: g/L)	H1146	H1147
NaCl	8.00	8.00
Na <sub>2</sub> HPO <sub>4</sub> ·12H <sub>2</sub> O	0.126	0.126
KCl	0.4	0.4
KH <sub>2</sub> PO <sub>4</sub>	0.06	0.06
D-glucose	1.00	1.00
Phenol red	0	0.01
NaHCO <sub>3</sub>	0.35	0.35
HEPES	3.575	3.575

### Note

- In the process of using Hank's Balanced Salt Solution, special attention should be paid to aseptic operation to avoid microbial contamination;
- For your safety and health, please wear a lab coat and disposable gloves.

### Pertinent literature

- [1] Xiaoke Liu, Dongmeng Qian, Xianjuan Zhang, et al. High-throughput T cell receptor sequencing reveals the effect of Human Cytomegalovirus IE2 immediate early protein on mouse immunohistochemistry. *Cancer Cell Research*. April 2019. (IF 17.848)

Note: For more information about this product, please refer to Solarbio website.