

HBSS(Hank's Balanced Salt Solution)

Product No.	Product name	Specifications	Save
H1020	Hank's, containing calcium magnesium, Containing Phenol Red (HBSS)	500 mL	RT, 2 years
H1025	Hank's, with calcium and magnesium, free of phenol red (HBSS)	500 mL	RT, 2 years
H1040	D-Hank's, calcium-magnesium free, phenolic red (HBSS)	500 mL	RT, 2 years
H1045	D-Hank's, Calcium magnesium free, Phenol Red Free (HBSS)	500 mL	RT, 2 years

Product Description:

Hank's Solution is the most commonly used Balanced Salt Solution (HBSS) in biological experiments. It 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 solutions (calcium and magnesium ions can inhibit trypsin activity). The phenol red in the buffer acts as a pH indicator.

HBSS buffer produced by Soleibao is a readyuse type, which can be directly used for routine purposes such as cell washing in the process of cell culture, without any treatment such as dilution or filtration before use.

Composition:

(Unit: g/L)	H1020	H1025	H1040	H1045
NaCl	8.00	8.00	8.00	8.00
Na ₂ HPO ₄ ·12H ₂ O	0.126	0.126	0.126	0.126
NaH ₂ PO ₄ ·2H ₂ O	0	0	0	0
KCl	0.4	0.4	0.4	0.4
KH ₂ PO ₄	0.06	0.06	0.06	0.06
MgSO ₄	0.098	0.098	0	0
CaCl ₂	0.14	0.14	0	0
D-glucose	1.00	1.00	1.00	1.00
Phenol red	0.01	0	0.01	0
NaHCO ₃	0.35	0.35	0.35	0.35

What to watch for:

1. Special attention should be paid to aseptic operation in the process of using Hank's Balanced Salt Solution to avoid contamination by microorganisms;
2. For your safety and health, please wear a lab coat and disposable gloves during operation.

Related 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: Please refer to the official website of Solarbio for more literature on the use of this product.