

Product Information

Hanks' Balanced Salts(10x), w/o Ca&Mg, w/o Phenol Red

Catalog Number: GBHB03/03F

General Information

Hank's Balanced Salt Solution (HBSS) is employed in a number of cell culture applications, including 66cell washing, transferring cell or tissue samples, dilution of cell populations for counting, and reagent preparation. A balanced salt solution's major job is to keep the pH and osmotic balance in check while also giving cells the water and necessary inorganic ions they need to operate. Typically, transport medium or reagent preparation employ formulations including calcium and magnesium.

Product Specification

Appearance	: Clear liquid
Storage & Shelf Life	: Store at +2°C to +25°C upon arrival. Once opened store at +2°C to +25°C and use within 11 months.
Shipping Conditions	: Ambient

Formulation

Components	Concentration g/L
D-Glucose	10.00
KCl	4.00
KH ₂ PO ₄	0.6
NaCl	80.00
NaHCO ₃	3.5
Na ₂ HPO ₄	0.48

Instructions for Use

Prepare 1x solutions from 10x concentrates:

To prepare an acceptable final 1x solution, perform the following procedure under aseptic conditions. The pH of 10x balanced salt solutions is adjusted for solubility; therefore, you may need to adjust the pH after the dilution.

1. Aseptically dilute 100 ml of 10x concentrate with approximately 850 ml of cell culture grade water. Water temperature should be +15°C to +30°C. Do not heat water. Mix completely.
2. Adjust the pH as necessary with 1 N HCl or 1 N NaOH to pH 7.2 – 7.6.
3. Adjust the final volume with cell culture grade water.
4. Dispense the solution into sterile containers. Cap the bottles tightly with sterile closures and store at +15°C to +25°C.
5. Alternatively, the solution may be sterilized by filtering the solution using a 0.22 micron filter. A peristaltic pump or an inert gas such as nitrogen can be used to provide positive pressure at 3 to 15 psi. Do not use CO₂ gas. The sterile filtered solution should be dispensed aseptically into sterile containers. Store buffer solution at +15°C to +25°C.

This product is for research use only.

Need help?

If you have any further queries, please feel free to email our cell culture specialists at info@genexisbiotech.com

Disclaimer: User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.