

Product Information

Hanks' Balanced Salts

Product	Volume	Cat. No.
Hanks' Balanced Salts, with Ca & Mg, w/o Phenol Red	500 ml	H0500-590
Hanks' Balanced Salts, w/o Ca & Mg, w/o Phenol Red	500 ml	H0500-600
Hanks' Balanced Salts, w/o Ca & Mg, with Phenol Red	500 ml	H0500-610

Product Description

Hank's Balanced Salt Solution (HBSS) is used for a variety of cell culture applications, such as rinsing cells, transporting cells or tissue samples, diluting cells for counting, and preparing reagents. The essential function of a balanced salt solution is to maintain pH and osmotic balance as well as providing cells with water and essential inorganic ions. Formulations with calcium and magnesium are generally used as transport media, or for reagent preparation.

Product Specifications

pH	7.0 – 7.6
Osmolality	240 – 320 mOsm/kg
Endotoxin	≤1 EU/ml
Sterility	Tested
Storage	Store at +15°C to +25°C.

Formulation

Component (g/l)	H0500-590	H0500-600	H0500-610
Calcium chloride di-hydrate	0.185	-	-
D-Glucose	1.0	1.0	1.0
Magnesium sulfate	0.098	-	-
Phenol red sodium salt	-	-	0.011
Potassium chloride	0.40	0.4	0.4
Potassium phosphate monobasic anhydrous	0.06	0.06	0.06
Sodium bicarbonate	0.35	0.35	0.35
Sodium chloride	8.00	8.0	8.0
Sodium phosphate dibasic anhydrous	0.048	0.048	0.048

Precautions and Disclaimer

This product is for research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.