



**Hanks' Balanced Salt Solution  
(HBSS)**  
Catalog #0313

**Product Description**

Hanks' Balanced Salt Solution (HBSS) is composed of inorganic salts and supplemented with glucose. The solution may be used to wash cells and tissue and to maintain cells in a viable state. The solution is buffered with phosphate and maintains a physiological pH and osmotic pressure. HBSS is sterile filtered through a 0.2µm membrane.

**Formulation**

<u>Inorganic Salts</u>	<u>g/L</u>
CaCL <sub>2</sub> dihydrate	0.185
MgSO <sub>4</sub> (anhydrous)	0.09767
KCl	0.4
KH <sub>2</sub> PO <sub>4</sub> (anhydrous)	0.06
NaHCO <sub>3</sub>	0.35
NaCl	8.0
Na <sub>2</sub> PO <sub>4</sub> (anyhydrous)	0.04788
<u>Other</u>	
D-Glucose	1.0

**Specifications**

pH	7.4 ± 0.2
Osmolality (mOsm)	290 ± 20
Endotoxin (EU/ml)	<0.1
Sterility	Pass

**Product Use**

HBSS is for research use only. It is not approved for human or animal use, or for application in clinical or *in vitro* diagnostic procedures.

**Storage**

Room temperature.

**Shipping**

Room temperature.

*Caution: If handled improperly, some components of this product may present a health hazard. Take appropriate precautions when handling this product, including the wearing of protective clothing and eyewear. Dispose of properly.*