



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 ₂ dihydrate	0.185
MgSO ₄ (anhydrous)	0.09767
KCl	0.4
KH ₂ PO ₄ (anhydrous)	0.06
NaHCO ₃	0.35
NaCl	8.0
Na ₂ PO ₄ (anhydrous)	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.