



Hanks' Balanced Salt Solution (HBSS)

Catalog Number: 0313

Product Description

Hank's Balanced Salt Solution is composed of inorganic salts and is supplemented with glucose. It is used to maintain cells in a viable state, rather than promoting their growth. The solution may be used to wash cells and tissue. Because the solution is buffered with phosphate, it maintains a physiological pH and osmotic pressure. The solution is sterile filtered through a 0.2 μ m membrane filter.

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 (anyhydrous)	0.04788
<u>Other</u>	
D-Glucose	1.0

Specifications

pH	7.4 \pm 0.2
Osmolality (mOsm)	290 \pm 20
Cell Culture Test	Pass
Endotoxin (EU/ml)	<0.1
Sterility	Pass
Storage	18-24°C

Product Use Statement

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

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.