

HHBS [Hanks' Buffer with 20 mM Hepes]

Ordering Information

Product Number: 20011 (100 mL)

Storage Conditions

Store at 4°C.
Expiration date is 12 months from the date of receipt.

Biological Applications

Hank's Balanced Salt Solution with 20 mM Hepes buffer (HHBS) is used for a variety of cell culture applications, such as washing cells, transporting cells or tissue samples, diluting cells for counting, and preparing reagents. Formulations with calcium and magnesium are generally used as transport media, or for reagent preparation such as calcium, membrane potential assay buffer preparation.

Storage Conditions

Store at 4 °C. Expiration date is one year from the date of receipt.

Compositions

COMPONENTS	Molecular Weight	Concentration (mg/L)	mM
Inorganic Salts			
Calcium Chloride (CaCl ₂) (anhyd.)	111	140	1.26
Magnesium Chloride (MgCl ₂ ·6H ₂ O)	203	100	0.49
Magnesium Sulfate (MgSO ₄ ·7H ₂ O)	246	100	0.41
Potassium Chloride (KCl)	75	400	5.33
Potassium Phosphate monobasic (KH ₂ PO ₄)	136	60	0.44
Sodium Bicarbonate (NaHCO ₃)	84	350	4.17
Sodium Chloride (NaCl)	58	8000	137.93
Sodium Phosphate dibasic (Na ₂ HPO ₄) anhydrous	142	48	0.34
Other Components			
D-Glucose (Dextrose)	180	1000	5.56
Hepes	238	4760	20