

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
CELL CULTURE FACILITY
Media Production Formulations

Hank's Balanced Salt Solution
(1x HBSS)

CCF Product Code Number: CCFAJ001 (Old Code BC100)

Compound	Formula	mg/L
Part A: Inorganic Salts		
Potassium chloride	KCl	400.00
Potassium phosphate monobasic	KH_2PO_4	60.00
Sodium bicarbonate	NaHCO_3	350.00
Sodium chloride	NaCl	8000.00
Sodium phosphate, dibasic, heptahydrate	$\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$	90.00
Part B: Other Components		
D-Glucose	$\text{C}_6\text{H}_{12}\text{O}_6$	1000.00
Phenol Red	$\text{C}_{19}\text{H}_{13}\text{O}_5\text{S} \cdot \text{Na}_2$	10.00
Part C: Other Inorganic Salts		
Calcium chloride (anhydrous)	CaCl_2	140.00
Magnesium chloride·6H ₂ O	$\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$	100.00
Magnesium sulfate·7H ₂ O	$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	100.00

pH 7.4 Osmolarity: 285-296 mOsm