Earle's Balanced Salt Solution (EBSS), with calcium, magnesium, phenol red

Cat. No.: PB180335

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.0-7.4
D-Glucose	1000 mg/L
$NaHCO_3$	2200 mg/L
Phenol red	10 mg/L
$CaCl_2$ (anhydrous)	200 mg/L
$MgSO_4 \cdot 7H_2O$	200 mg/L
Storage	2-30°C
Shipping	Room Temperature
Expiration date	36 months

Background

Balanced Salt Solution (Physiological Solution) have the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro. A small amount of phenolic red was added to some equilibrium salt solutions to indicate the pH change of the solution.

Earle's Balanced Salt Solution (EBSS) is one of the most widely used phosphate buffer in biochemistry. The main components are NaCl, KCl, NaH_2PO_4 and $NaHCO_3$. EBSS are often used to rinse tissue or cells, to transport cells or tissues, to prepare other reagents, to dilute the cells when counting the cells.

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.