EBSS (Earle's Balanced Salt Solution)

With Calcium, Magnesium, Phenol Red & Sodium Bicarbonate

Cat. No. CPE002 | Size: 500 ML / 1L

1. Product Description

Balanced salt solutions play a role in maintaining pH, maintaining osmotic pressure, and supplying water and inorganic ions to cells. Therefore, they can be used in a wide range of cell culture applications, such as cell washing, transportation, short-term storage, dilution, and dissolution of other reagents. This product (Cat. No. CPE002) contains calcium, magnesium, and phenol red, which should be taken into consideration when using.

2. Composition

Inorganic Salts & Others	mg/L
$CaCl_2$ (Anhydrous)	200.0
KCl	400.0
$MgSO_4 \cdot 7H_2O$	200.0
NaCl	6800.0
$NaHCO_3$	2200.0
$NaH_2PO_4 \cdot H_2O$	140.0
D-Glucose	1000.0
Phenol Red	10.0

3. Product Quality Specifications

Appearance	pH	Osmolality	Sterility
Red clear liquid	pH 7.3 ± 0.3	290 ± 20 mOsm/kg H_2O	Sterile

4. Storage Conditions and Precautions

Store at room temperature (15~30°C) protected from direct light. The expiration date is indicated on the product label; do not use expired products. Product degradation may appear as precipitates, floating particles, turbidity, or color change; discard if any are observed. Long-term storage at low temperatures may cause degradation such as precipitates. The addition of extra substances may also cause degradation.

5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container and store at room temperature (15~30°C).