Phenol Red Solution, 0.5%

Contains 5 g/L Phenol Red in DPBS

Cat. No. CPRED001 | Size: 100 ML

1. Product Description

Phenol Red Solution is a solution in which Phenol Red is dissolved in DPBS (Dulbecco's Phosphate Buffered Saline) at a concentration of 5 g/L. Phenol Red is used as a pH indicator that exhibits specific colors according to the acidity (pH) of the solution. As shown below, Phenol Red exhibits a red color in the physiological pH range of pH 7.3±0.3, and turns yellow (acidic) or purple (basic) outside this range, helping to visually determine changes in pH during cell culture.

pH 6.9 or lower	pH 6.9 ~ 7.5	pH 7.5 or higher
Yellow	Red	Purple

2. Composition

Components	g/L
Phenol Red	5
DPBS	1X

3. Product Quality Specifications

Appearance	pH	Osmolality	Sterility
Dark red clear liquid	pH 7.3 ± 0.3	290-320 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 during storage may appear as precipitates, floating particles, or color change; discard if any are observed. Prolonged storage at low temperatures may cause precipitates to form; in this case, warming it to 37°C may dissolve the precipitates, but if they do not disappear, do not use the product.

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 properly.