

Phenol Red Solution [0.5%]

Catalog No.: 10387 and 10387-1

Phenol red is used as a pH indicator since its color exhibits a gradual change from yellow to red over a pH range of 6.4 to 8.2 and is widely used in cell culture for monitoring pH changes. Since, the living tissues flourish in an environment of neutral pH, hence it is required that the pH of the cell culture medium must be maintained at near-neutral range. Addition of phenol red will provide pink-red color to the medium under normal conditions. In events such as accumulation of waste products or death of the cells, the solution color will change due to change in the pH of the phenol red solution. On acidification, the medium will turn yellow indicating the need of replacement of medium or possible bacterial contamination. Our Phenol Red Solution [0.5%] is prepared, using phenol red-sodium salt and cell culture grade water and filter-sterilized

Features

1. Phenol Red Solution [0.5%] ready to use solution in water
2. No precipitation issue or insoluble materials
3. The solution is filter sterilized

Application(s):

Used as a pH indicator, commonly in cell culture. A solution of phenol red will have a yellow color at a pH of 6.4 or below and a red color at a pH of 8.2 and above. It is typically used in cell culture media at 11 mg/L and when added as a component to cell culture media, can be autoclaved.

Item(s) Supplied:

Catalog No.	Product Name	Size	Storage Condition*
10387	Phenol Red Solution [0.5%], Filter-Sterilized	125 mL	4°C
10387-1	Phenol Red Solution [0.5%], Filter-Sterilized	250 mL	4°C

*Shipped at Ambient Temperature, and upon receiving, store at 4°C, Protected from Light.

Important Note:

1. Open the bottle in aseptic conditions, e.g. under the laminar air flow
2. Wear laboratory apparels such as mask, gloves, hygiene cap etc., to avoid contamination

Precaution and Disclaimer:

The Phenol Red Solution [0.5%] has been designed and prepared for Research Use only and must not be used for therapeutic, diagnostic or human and animal. Read Safety Data Sheet (SDS) before using this product.

Related Products:

1. **EasyPrep Protein Extraction Buffers/ Kits (Cat. No. 10450, 10451, 10452, 10455 and 10457)**
For extracting proteins from Bacteria, Insects & Mammalian cells, and Tissues
2. **Protease Inhibitor Cocktails (Cat. No. 10471, 10472, 10473, 10474 and 10475)**
For inhibiting protease activity in the protein extracts: General, Bacterial, Mammalian, Plant and Recombinant.
3. **Phosphatase Inhibitor Cocktails (Cat. No. 10507, 10508, 10509)**
For inhibiting phosphatases: serine/threonine (Ser/Thr), protein tyrosine, acid and alkaline phosphatase activities in the protein extracts.
4. **EasyPrep Protein Extraction Buffers/ Kits (Cat. No. 10450, 10451, 10452, 10455 and 10457)**
For extracting proteins from Bacteria, Insects & Mammalian cells, and Tissues
5. **SDS-PAGE Running Buffer (Cat. No. 10501 & 10501-1):**
For running protein samples on SDS-PAGE
6. **Plasmid DNA Extraction Kits- 50 and 200 Preps (Cat. No. 10665 and 10665-1)**
The plasmid DNA is extracted using our proprietary DNA matrix in a spin column format.
7. **Genomic DNA Extraction Kit – Universal, 50 and 100 Preps (Cat. No. 10640 and 10640-1)**
For extracting genomic DNA from animal tissues, cell culture, blood, Rodent tail, hair, and gram (-) bacteria.