
Phenol Red 0.5% Solution

**In Dulbecco's Phosphate Buffered Saline
Sterile filtered**

Product Code: TCL004

Product Description :

Phenol red is used as a pH indicator since its color exhibits a gradual change from yellow to red over a pH range of 6.8 to 8.2. Phenol red solution is widely used in cell culture for monitoring pH changes.

The living tissues flourish in an environment of neutral pH. Hence it is required that the pH of the medium in which the cells are cultured 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, there is a resultant change in the pH leading to the change in the color of the indicator. On acidification, the medium will turn yellow indicating the need of replacement of medium or it is also indicative of bacterial contamination.

TCL004 is sterile filtered 0.5% Phenol red solution in Dulbecco's Phosphate Buffered saline.

Cultural Response

No toxicity to cells.

Endotoxin Content

NMT 5EU/ml

Storage and Shelf Life:

Store at 15-30°C.

Shelf life of the product is 24 months.

Use before expiry date given on the product label.

Quality Control:

Appearance

Dark maroon-red colored liquid.

pH

6.70 -7.30

Osmolality in mOsm/Kg H₂O

280.00 -320.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Disclaimer :

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