

## 酚红溶液(0.5%,无菌)

货号: G1230

规格: 100mL

保存: 2-8°C, 有效期 1 年。

### 产品介绍:

酚红又称苯酚红, 是一种深红色结晶性粉末, 分子量为 354.38, CAS 号为 143-74-8。可溶于水、醇、丙酮, 几乎不溶于醚和氯仿。其溶于氢氧化碱或碳酸碱溶液中呈深红色, 在空气中稳定, 可用于微生物培养中的鉴别培养基。由于溶解于氢氧化碱或碳酸碱溶液后呈深红色, 当溶液 pH 值下降时, 其颜色由深红变黄, 也可以作为 D-Hanks、Hanks、MEM、RPMI1640、DMEM 等培养基的指示剂, 经严格过滤除菌处理, 仅用于科研领域, 不用于临床诊断或治疗。

### 操作步骤: (仅供参考)

1. 无需配制, 直接使用。
2. 在 D-Hanks、Hanks、MEM、RPMI1640、DMEM 工作浓度一般为 0.01-0.02%, 即稀释 25-50 倍后使用。

### 注意事项:

1. 应注意无菌操作, 避免被微生物污染。
2. 该试剂经 0.22 $\mu$ m 过滤除菌, 如溶液中出现悬浮物, 应弃用。





## Phenol Red Sterile Solution, 0.5%

**Cat:** G1230

**Size:** 100mL

**Storage:** 2-8°C, valid for 1 year.

### Introduction

Phenol red is a dark red crystalline powder with molecular weight of 354.38 and CAS No. 143-74-8. Soluble in water, alcohol and acetone, almost insoluble in ether and chloroform. It is dark red when dissolved in alkali hydroxide or alkali carbonate solution and stable in air. It can be used as identification medium in microbial culture. Because it is dark red after dissolving in alkali hydroxide or alkali carbonate solution, when the pH value of the solution decreases, its color changes from dark red to yellow. It can also be used as an indicator of culture media such as D-Hanks, Hanks, MEM, RPMI1640 and DMEM. After strict filtration and sterilization, it is only used in scientific research field and not used for clinical diagnosis or treatment.

### Protocols (for reference only)

1. It needs no preparation and can be used directly.
2. In D-Hanks, Hanks, MEM, RPMI1640 and DMEM, the working concentration is generally 0.01-0.02%, that is, use after 25-50 times dilution.

### Note

1. Pay attention to aseptic operation to avoid microbial contamination.
2. The solution is tested by 0.22 $\mu$ m filter and sterilize. If there is suspended matter in the solution, discard the solution.

