# Leibovitz's L-15, without phenol red

**Cat. No.: PM151013**

**Size: 500mL**

## General Information

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|---|---|
| **Product Form** | Liquid |
| **Concentration** | 1 × |
| **pH** | 7.2-7.4 |
| **D-Glucose** | Negative |
| **HEPES** | Negative |
| **L-Glutamine** | 300 mg/L |
| **$NaHCO_3$** | Negative |
| **Phenol red** | Negative |
| **D-galactose** | 900 mg/L |
| **Sodium pyruvate** | 550 mg/L |
| **Balanced salt** | Phosphate |
| **Storage** | 2-8°C, Shading Light |
| **Shipping** | Room Temperature |
| **Expiration date** | 24 months |

## Background

The buffer system of Leibovitz's L-15 medium is composed of phosphate and free amino acids, instead of the traditional sodium bicarbonate buffer system. Meanwhile, the substitution of galactose and sodium pyruvate for glucose prevents prevents the formation of acidic metabolic by-products, helps to maintain the stable pH of the medium. It is suitable for cell culture in a non-$CO_2$ balanced environment. L-15 medium is suitable for the culture of monkey kidney cells and HEP-2, the isolation of primary cells (such as embryonic and adult tissues), the culture of various viruses and the culture of neurons. Leibovitz's L-15 medium contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors. Therefore, the product should be used with serum or serum-free additives.

## Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
2. This product is not suitable for a $CO_2$ environment.
3. This product is sterilized by 0.1 μm filtration.
4. It is necessary to pay attention to the aseptic operation and avoid the contamination.