

Leibovitz's L-15, with L-alanyl-L-glutamine

Cat. No. : PM151012

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.2-7.4
D-Glucose	Negative
Sodium Bicarbonate (NaHCO₃)	Negative
L-Alanyl-L-Glutamine	445.9 mg/L
HEPES	Negative
Phenol Red	10 mg/L
D-Galactose	900 mg/L
Sodium Pyruvate	5 mM
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 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-CO₂ 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).

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 for research use only.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination during the culture.