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# Leibovitz's L-15 Product manual

## Basic Information

Cat.NO	Size	Shelf	Form	Storage	Transportation
CMB0084	500mL	12 months	Liquid	Store at 2-8°C away from light	Room Temperature

## Product Introduction

Leibovitz's L-15 medium is composed of phosphate and free base amino acids, replacing the traditional sodium bicarbonate buffer system. At the same time, the use of galactose and sodium pyruvate instead of glucose can prevent the formation of acidic metabolic byproducts, help maintain the stability of the pH of the culture medium, and is suitable for cell culture in non-CO<sub>2</sub> balanced environments. Leibovitz's L-15 medium is suitable for the culture of monkey kidney cells and HEp-2, the separation of primary cells (such as embryonic and adult tissues), the culture of various viruses, and the culture of neurons.

## Instructions

1. Balance the culture medium and related solutions in a water bath or at room temperature, and prepare the culture medium required for the experimental cells;
2. Cell inoculation: Remove the cells to be cultured from the original culture container, wash with appropriate culture medium or PBS, and adherent cells need to be digested with trypsin;
3. Collect the cells by centrifugation, centrifuge at 1000rpm for 3 min at room temperature, and discard the supernatant;
4. Add fresh culture medium to resuspend the cells. Then inoculate the cell suspension into the culture bottle with the corresponding volume of culture medium, mix gently, and culture at 37°C and 5% CO<sub>2</sub> saturated humidity. Observe and replace fresh culture medium regularly according to cell growth and cell density.

## Precautions

1. During the entire process, be sure to pay attention to aseptic operation to avoid contamination;
2. To maintain the best use effect of this product, do not perform freeze-thaw treatment;
3. This product is only used for research or further research, not for diagnosis and treatment.