Alsever's Solution

Cat. No.: PB180345

Size: 100mL / 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	6.0-6.2
D-Glucose	20500 mg/L
Storage	2-8°C
Shipping	Room Temperature
Expiration date	24 months

Background

Balanced Salt Solution (Physiological Solution) have the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro. A small amount of phenolic red was added to some equilibrium salt solutions to indicate the pH change of the solution.

Alsever's solution, also known as red blood cell preservation solution, is a kind of balanced salt solution. The main components are sodium chloride, sodium citrate, citric acid and glucose. Alsever's solution can protect red blood cells and is usually used as an anticoagulant or blood preservative. Red blood cells can be stored at 2-8°C for 2 weeks without changing their activity and properties. Therefore, it is often used for blood collection, preservation and transportation of red blood cells.

Generally, whole blood is mixed with an equal amount of Alsever's Solution, and it can be stored at 2-8°C for about 10 weeks.

Guidelines for use

1. Procell's cell culture media undergoes strictquality control to ensure sterility, but may get contaminated during use. Follow these guidelines for sterile handling toavoid contamination.
2. Always wipe your gloved hands and work area with 70% ethanol.
3. Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
4. Use sterile pipette tips and pipettes to work with liquids, and use each pipette tip only once to avoid cross-contamination.Do not unwrap sterile pipettes until they are ready to beused. Keep pipettes and tips within the clean work area.
5. Do not talk while performing sterile procedures and perform your cell culture as efficiently and carefully as possible tominimize contamination.

Quality control

Standard evaluations for cell culture media are pH, osmolality, endotoxins and sterility testing for liquid products, cell growth experiments.

Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
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.