

## Alsever's Solution

**Cat. No:** PB180345

**Size:** 100mL

### General Information

<b>Product Form</b>	Liquid
<b>Concentration</b>	1x
<b>pH</b>	6.0-6.2
<b>D-Glucose</b>	2050mg/L
<b>Storage</b>	2-8°C
<b>Shipping</b>	RT
<b>Expiration date</b>	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 4°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 4°C for about 10 weeks.

### Notes

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