

Physiological Saline Solution (Sterile)

Cat #: A-CSH675

Size: 500mL

Storage: Room temperature (12 months)

Product Description

Physiological saline, also known as sterile physiological saline (Stroke-Physiological Saline Solution, SPSS), refers to a sodium chloride solution that is commonly used in physiology or clinical settings and has an osmotic pressure equivalent to that of animal or human plasma. Typically, the concentration of sodium chloride for amphibians ranges from 0.67% to 0.70%, while for mammals and humans it is between 0.85% and 0.9%. The concentration of sodium chloride in the saline solution commonly used for injection in humans is 0.9%. Its osmotic pressure is roughly the same as that of normal human plasma and tissue fluid, so it can be used for fluid replacement (without decreasing or increasing the concentration of sodium ions in the body) as well as for other medical purposes. It is also frequently used for the in vitro culture of living tissues and cells.

Sterile physiological saline is primarily composed of sodium chloride and deionized water, and it is sterilized by high-pressure. This reagent is ready to use at a 1× working concentration.

Usage

No need for preparation, use directly.

Notes

1. Pay attention to aseptic operation and avoid microbial contamination.
2. For your safety and health, please wear lab coats and disposable gloves when operating.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.