

## Kanamycin Sulfate Solution, 100 ×

Cat. No.: PB180128

Size: 100mL

### General Information

Product Form	Liquid
Concentration	100 ×
pH	7.8-8.0
Kanamycin Sulfate	10 mg/mL
Dissolvent	0.85% NaCl
Recommended working	30-100 µg/mL
Antimicrobial spectrum	Gram-positive bacteria & Gram-negative bacteria
Storage	-5~-20°C, shading light
Shipping	Ice bag
Expiration date	12 months

### Background

Kanamycin is an aminoglycoside antibiotic that binds to 30S ribosomes to cause misreading of mRNA codes, thereby inhibiting protein synthesis. It is effective against both Gram-positive bacteria and Gram-negative bacteria. Kanamycin can be used in cell culture to inhibit bacterial contamination. In molecular biology research, it is often used to selectively screen bacterial clones that have successfully transformed the kanamycin resistance gene. It is also commonly used in agrobacterium-mediated transformation experiments to selectively screen plant tissues carrying npt II (APH3) genes.

### 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 pollution.
4. It is not suitable for long time storage at room temperature or 2-8°C.
5. Thaw in 2-8°C and mix fully before use. Avoid repeated freezing and thawing. It is recommended to aliquot the solution and store at -5~-20°C.
6. This product is a concentrated solution and dilute it to the desired concentration before use.