

## Kanamycin Sulfate Solution, 100×

**Cat. No:** PB180128

**Size:** 100mL

### General Information

<b>Product Form</b>	Liquid
<b>Concentration</b>	100×
<b>Kanamycin Sulfate</b>	10mg/mL
<b>Recommended working concentration</b>	30-100μg/mL
<b>Dissolvent</b>	0.85% NaCl
<b>Antimicrobial spectrum</b>	Gram-positive bacteria & Gram-negative bacteria
<b>Storage</b>	-5~-20℃ ,Shading Light
<b>Shipping</b>	Ice bag or dry ice
<b>Expiration date</b>	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 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 pollution.;
4. It is not recommended to store this product at room temperature for a