

## Kanamycin, Sulfate Salt Solution

Contains 10 mg/mL kanamycin, sulfate salt  
in Ultra Pure Water

DNase, RNase and protease – none detected

Catalog Number **ML 003-04**

Storage Temperature -5~-20°C

### Product Description

Kanamycin inhibits protein synthesis by binding to 70S ribosomal subunit, inhibiting translocation, and the elicitation of miscoding.

**ML 003-04** contains 10 mg/mL kanamycin, sulfate salt in Ultra Pure Water (**ML019-02**). Working concentration is 25~50 µg/mL.

### Storage/Stability

Kanamycin solution should be stored at -5~-20°C. Deterioration of the liquid may be recognized by (1) precipitate or particulate matter throughout the solution, (2) cloudy appearance, (3) color change, and/or (4) pH change. Product label bears expiration date.

### Precautions

For *In Vitro* Use Only

Product Profile	
Appearance	Clear colorless solution
DNase, RNase and protease	None detected
Sterility	Sterilized by 0.2 µm filtration system. Sterility tests are performed in accordance with protocols described in USP.

### Molecular Weight

582.6 g/mole

### Molecular Formula

C<sub>18</sub>H<sub>36</sub>N<sub>4</sub>O<sub>11</sub>

### References

Martindale the Extra Pharmacopoeia, 31st ed., p.244-1.