

## Kanamycin Solution (50 mg/ml)

Contains 50 mg/mL kanamycin  
in 0.9% sodium chloride

Catalog Number **LS 206-01**

Storage Temperature -5~-20°C

### Product Description

Microbial contamination results in the lethal errors in cell and tissue culture. Animal cell divides into two daughter cells in several hours to days, however microbes such as bacteria, fungi, or yeasts are doubled in decades of minutes to hours. Hence, overgrowth of these microbes inhibits the growth, proliferation, and function of animal cells. Microbial components or products can result in the toxic effect to animal cells. Generally, in culture medium, antibiotics are added for inhibition of microbial growth.

**LS 206-01** contains 50 mg/mL kanamycin in 0.9% sodium chloride.

### 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. The nature of supplements added may affect storage conditions and shelf life of the medium. Product label bears expiration date.

### Precautions

For *In Vitro* Use Only

### Product Profile

Appearance	Clear colorless solution
Endotoxin	≤ 10 EU/ml
Sterility	Sterilized by 0.2 μm filtration system. Sterility tests are performed in accordance with protocols described in USP.

### References

Perlman, D., Use of antibiotics in cell culture media, in *Methods in Enzymology*, Jakoby, W. and Pastan, I. H., eds, Academic Press, New York, NY, 1979, Vol. LVIII, 112.

Data for *Biochemical Research*, 3<sup>rd</sup> Edition, Dawson, R. M. C. et al., eds., Oxford University Press, Inc. New York, 1986, p 297.

Alberts, B. et al., Basic genetic mechanisms, in *Molecular Biology of the Cell*, 3<sup>rd</sup> Edition, Garland Publishing, Inc., New York, NY, 1994, p 240.

Prophylactic use of antibiotics in cells and tissues with a high risk of microbial contamination, in *Cell and Tissue Culture: Laboratory Procedures*, Doyle, A. et al., eds., John Wiley and Sons, England, 1996, Vol. 1, p 2A:4.2.