

**Kanamycin sulfate**  
**Kanamycin A, Kanamycin monosulfate**  
*Streptomyces kanamyceticus*  
**Cell Culture Grade**  
**Ref. UK0010**

Used to select for cosmid vectors. Effective against gram negative and positive organisms. Acts by inhibiting protein synthesis via ribosomal binding mechanism

**Lot N°:**

**CAS:** [133-92-6]  
[25389-94-0] (updated)  
**Formula:**  $C_{18}H_{36}N_4O_{11} \cdot H_2SO_4$   
**MW:** 582.58  
**Appearance:** White to light tan crystalline powder  
**Activity on dry basis:** >750 µg/mg  
806 µg/mg (lot analysis)  
**Kanamycin B:** 1.2 %  
**Specific rotation:** +119 °  
**pH:** 8.2  
**Sulfate:** 15.8 %  
**Loss on drying:** 0.4 %  
**Endotoxin:** <0.025 Eu/mg

**Working concentration:**

Cell/Tissue culture: 30 µg/ml  
Stringent plasmids: 10 µg/ml  
Relaxed plasmids: 50 µg/ml

**Storage:** Store at +4°C

**Safety:** Avoid contact with skin, eyes and clothing.  
Avoid inhalation of dust.  
Handle with professional care.

**Danger**

**H360** Peut nuire à la fertilité ou au fœtus

**P201** Se procurer les instructions avant utilisation.

**P308 + P313** EN CAS d'exposition prouvée ou suspectée: consulter un médecin.

*For laboratory use only. Not for drug, household or other use*