

Gentamicin ELISA Kit

Gentamicin Competitive ELISA Kit

CATALOG #

AAA44679

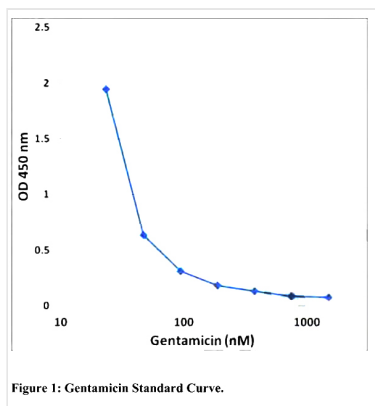
PRODUCT SYNONYMS

Gentamicin; Gentamicin Competitive ELISA Kit; Gentamicin elisa kit

PRODUCT SPECIFICATIONS

Assay Type	Competitive
Preparation and Storage	Upon receipt, store Anti-Gentamicin Antibody (500X), Secondary Antibody, HRP Conjugate (1000X), Gentamicin Standard, and Gentamicin Conjugate at -20 degree C. Store all the remaining components at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gentamicin elisa kit	Background: Gentamicin is an antibiotic that has been used to treat various types of bacterial infections such as pelvic inflammatory disease, pneumonia, bone infections, endocarditis, meningitis, sepsis, and urinary tract infections. Gentamicin was patented in 1962 and approved to be used medically in 1964. Gentamicin can be administered topically, intravenously, or by injection into a muscle. Gentamicin is an aminoglycoside that works by blocking synthesis of bacterial proteins resulting in bacterial death. This antibiotic is made from the bacterium <i>Micromonospora purpurea</i>. As a side effect of treatment, gentamicin can cause inner ear problems (such as hearing loss or poor balance) as well as kidney problems. In addition, gentamicin can cause harm to a developing baby in pregnant women. However, the antibiotic appears to be safe when administered to women who are breastfeeding newborns. Gentamicin is also used by researchers as an antibacterial agent in cell cultures. Gentamicin is a very heat-stable antibiotic, remaining active even after autoclaving, which makes the antibiotic useful in the manufacturing of some types of microbiological growth media. 7KH Gentamicin Competitive ELISA Kit provides a convenient method for the detection of total Gentamicin in extracts from cells, tissue, serum, plasma, urine, or foods. The total content of gentamicin in unknown samples is determined by comparison with a gentamicin standard curve. Each kit provides sufficient reagents to perform up to 96 assays, including standard curve and unknown protein samples. The kit has a detection sensitivity limit of 25 nM gentamicin. Principle of the Assay: First, a gentamicin conjugate is coated on an ELISA plate. The unknown gentamicin samples or gentamicin standards are then added to the gentamicin conjugate preabsorbed ELISA plate. After a brief incubation, an anti-gentamicin monoclonal antibody is added, followed by an HRP conjugated secondary antibody. The total content of gentamicin in unknown extracted samples is determined by comparison with a gentamicin standard curve.
Product Categories/Family for Gentamicin elisa kit	Metabolism Research; Amino Acid Metabolism

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/elisa-kits/gentamicin/44679>