# Aminosniper

AMINOSNIPER™


## THE PRODUCT

**AMINOSNIPER™** is an innovative enzyme-based product developed by CPC Biotech specifically designed for the inactivation of a wide range of aminoglycoside antibiotics. **AMINOSNIPER™** efficiently inactivates, within the others, Neomycin, Tobramycin, Gentamycin and Ribostamycin.

## FORMULATION AND PACK SIZE

**Freeze dried AMINOSNIPER™** is available in the following pack size:

- cod. AMI-25: pack size of 5 vials of > 25 IU (International Units) of aminoglycosidase per vial plus 5 vials of diluent solution.

1 IU is defined as the amount of enzyme needed to hydrolyze 1 µmole of Gentamycin sulphate per minute at 37°C and pH 7.6.

## APPLICATION

**AMINOSNIPER™** is a product specifically designed for the inactivation of a broad range of aminoglycoside antibiotics, thus find its application in aminoglycosides sterility testing, total count and media fill.

Due to its very broad specificity range, **AMINOSNIPER™** can also be used in the assessment of the susceptibility of new aminoglycoside antibiotics to inactivation by aminoglycosidases.

## USAGE

**Freeze dried formulation**

Reconstitute each vial of AMI-25 with 8 ml of diluent solution supplied in the pack obtaining a solution having > 3 IU/ml of aminoglycosidase. After reconstitution, sterile filter the solution using a suitable device (example syringe with 0,22 µm filter). Reconstituted enzyme should be used within 2 hours from reconstitution.

**Example of Usage in sterility testing by filtration**

Following a general procedure for sterility testing is reported. The amount of aminoglycosidase to be used, however, could be different depending on the amount of antibiotic residue to be inactivated and depending on the specific antibiotic to be inactivated.

Reconstitute 1 vial of Aminosniper™ enzyme powder with 8 mls of diluent buffer. Mix in order to completely dissolve the powder and sterile filter using a suitable device (for example a syringe with 0,22 µm syringe filter). As for the filter use a low bind protein filter (hydrophilic membrane). After dissolution use the enzymatic solution within 2 hours from preparation.

Dissolve your antibiotic in a suitable Fluid and filter the solution using a canister or alternative device.

After filtration rinse 2-3 time the canisters (100 ml each rinsing step) and add 100 mls of TSB in one canister and 100 ml of FTM in the second canister.

Immediately add to each media 3 mls of reconstituted Aminosniper™ for a total of > 9 IU of aminoglycosidase/100 mls of media.

Incubate the canister at suitable temperature for 14 days.

## STABILITY OF REAGENTS

**Freeze dried formulation**

Freeze dried **AMINOSNIPER™** has a stability of 2 years from manufacturing date and should be stored at +2/8°C.

Do not expose at high temperature and after powder reconstitution the solution should be used within 2 hours.

## ADDITIONAL INFORMATION

**AMINOSNIPER™** DOES NOT CONTAIN ANIMAL DERIVATIVES and it's certified as a TSE/BSE free product.

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