



# Amikacin [HRP] (DAG1018)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Amikacin, HRP conjugate
<b>Antigen Description</b>	Amikacin is most often used for treating severe, hospital-acquired infections with multidrug resistant Gram negative bacteria such as <i>Pseudomonas aeruginosa</i> , <i>Acinetobacter</i> , and <i>Enterobacter</i> . <i>Serratia marcescens</i> and <i>Providencia stuartii</i> are also included in the spectrum. Amikacin can also be used to treat non tubercular mycobacterial infections and tuberculosis (if caused by sensitive strains) when first line drugs fail to control the infection. Amikacin may be combined with a beta-lactam antibiotic for empiric therapy for people with neutropenia and fever. Liposomal amikacin for inhalation is currently in late stage clinical trials for the treatment of respiratory diseases, such as cystic fibrosis, <i>Pseudomonas aeruginosa</i> , non tubercular mycobacterial infections and bronchiectasis.
<b>Species</b>	N/A
<b>Conjugate</b>	HRP
<b>Format</b>	Concentrate
<b>Size</b>	0.5 ml
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	Amikacin is an aminoglycoside antibiotic most often used for treating severe, nosocomial (hospital acquired) infections with multidrug resistant Gram negative bacteria. Amikacin works by binding to the bacterial 30S ribosomal subunit, causing misreading of mRNA and leaving the bacterium unable to synthesize proteins vital to its growth.
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**Keywords**

Akacin; Akim; Amicacin; Amicasil; Amiglyde-V; Amikacin Sulfate; Amikacina; amikacine;  
Amikacinum; Amikavet; Amikin; Arikace; Briclin;

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