



# Streptomycin [HRP] (DAG1293)

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

## PRODUCT INFORMATION

|                            |  |
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| <b>Product Overview</b>    | Streptomycin, HRP conjugate  |
| <b>Antigen Description</b> | Streptomycin is an antibiotic produced by soil bacteria of the genus <i>Streptomyces</i> and is active against both gram positive and gram negative bacteria, including species resistant to other antibiotics, eg some streptococci, penicillin resistant staphylococci, and bacteria of the genera <i>Proteus</i> and <i>Pseudomonas</i> . Originally isolated by Selman A. Waksman and Albert Schatz in 1947, streptomycin is effective against tubercle bacilli and is a mainstay of tuberculosis therapy. Because streptomycin resistant tubercle bacilli emerge during treatment, the antibiotic is usually used in combination with one or more of the drugs isoniazid, ethambutol, and aminosalicylic acid. Streptomycin acts by inhibiting protein synthesis and damaging cell membranes in susceptible microorganisms. Possible side effects include injury to the kidneys and nerve damage that can result in dizziness and deafness. |
| <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

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| <b>Introduction</b> | Streptomycin is an antibiotic (antimycobacterial) drug, the first of a class of drugs called aminoglycosides to be discovered, and it was the first cure for tuberculosis. It is derived from the actinobacterium <i>Streptomyces griseus</i> . Streptomycin is a bactericidal antibiotic. Adverse effects of this medicine are ototoxicity, nephrotoxicity, fetal auditory toxicity, and neuromuscular |
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paralysis.

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**Keywords**

Streptomycin

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