



**Applied Biological Materials Inc.**

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## Spectinomycin dihydrochloride

<b>Cat.No.</b>	<b>Unit</b>
G442	1.0 ml; 50mg/ml

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<b>Cat. No.</b>	G442
<b>Name</b>	Spectinomycin dihydrochloride
<b>Unit</b>	1.0 ml; 50mg/ml
<b>Category</b>	Buffers & General Chemicals
<b>Description</b>	Spectinomycin Dihydrochloride is an aminocyclitol antibiotic used primarily for the selection of spectinomycin-resistant bacterial strains, typically those carrying the aadA (aminoglycoside adenyltransferase) resistance gene. It functions by binding to the 30S ribosomal subunit, inhibiting protein synthesis. Spectinomycin is often used as an alternative to streptomycin in molecular cloning and plant transformation.
<b>Concentration</b>	50mg/ml
<b>Storage Condition</b>	Store at -20°C for up to one year. Keep away from light.

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**Caution:** *This product is for research use only and is not intended for therapeutic or diagnostic applications.*

*Please contact a technical service representative for more information (1-866-757-2414).*