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# Dihydrostreptomycin Injection

» Dihydrostreptomycin Injection contains an amount of Dihydrostreptomycin Sulfate equivalent to not less than 90.0 percent and not more than 120.0 percent of the labeled amount of dihydrostreptomycin (C<sub>21</sub>H<sub>41</sub>N<sub>7</sub>O<sub>12</sub>). It contains one or more suitable preservatives.

**Packaging and storage**—Preserve in single-dose or multiple-dose containers.

**Labeling**—Label it to indicate that it is intended for veterinary use only.

**USP REFERENCE STANDARDS** (11).—  
[USP Dihydrostreptomycin Sulfate RS](#)

**Identification**—It responds to the *Identification* tests under [Dihydrostreptomycin Sulfate](#).

**BACTERIAL ENDOTOXINS TEST** (85).—It contains not more than 0.5 USP Endotoxin Unit per mg of dihydrostreptomycin.

**STERILITY TESTS** (71).—It meets the requirements when tested as directed for *Membrane Filtration* under *Test for Sterility of the Product to be Examined*.

**pH** (791): between 5.0 and 8.0.

**Assay**—

*Assay preparation 1* (where it is represented as being in a single-dose container)—Withdraw all of the withdrawable contents of Injection, using a suitable hypodermic needle and syringe, and dilute quantitatively with water to obtain a solution containing a convenient quantity of dihydrostreptomycin in each mL.

*Assay preparation 2* (where the label states the quantity of dihydrostreptomycin in a given volume of solution)—Dilute an accurately measured volume of Injection quantitatively with water to obtain a solution containing a convenient quantity of dihydrostreptomycin in each mL.

*Procedure*—Proceed as directed for the turbidimetric assay of dihydrostreptomycin under [Antibiotics—Microbial Assays \(81\)](#), using an accurately measured volume of *Assay preparation* diluted quantitatively with water to yield a *Test Dilution* having a concentration assumed to be equal to the median dose level of the Standard.

**Auxiliary Information** - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
DIHYDROSTREPTOMYCIN INJECTION	<a href="#">Ying Han</a> Associate Science & Standards Liaison	BIO42020 Biologics Monographs 4 - Antibiotics

**Chromatographic Database Information:** [Chromatographic Database](#)

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