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Dihydrostreptomycin Sulfate Boluses

» Dihydrostreptomycin Sulfate Boluses contain the equivalent of not less than 85.0 percent and not more than 120.0 percent of the labeled amount of dihydrostreptomycin ($C_{21}H_{41}N_7O_{12}$).

Packaging and storage—Preserve in tight containers.

Labeling—Label Boluses to indicate that they are intended for veterinary use only.

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

LOSS ON DRYING (731).—Dry about 100 mg, accurately weighed, of finely ground Boluses in a capillary-stoppered bottle in vacuum at a pressure not exceeding 5 mm of mercury at 60° for 3 hours: it loses not more than 10.0% of its weight.

Assay—Proceed as directed for the cylinder-plate assay of dihydrostreptomycin under *Antibiotics*—[Microbial Assays \(81\)](#), using 3 Boluses added to a mixture of 499.0 mL of *Buffer B.3* and 1.0 mL of polysorbate 80 and blended for 5 minutes in a high-speed glass blender jar. Allow to stand for not less than 1 hour, and repeat the blending. While stirring this mixture, withdraw an accurately measured volume of it, and dilute quantitatively and stepwise with *Buffer B.3* to obtain 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 SULFATE BOLUSES	Ying Han Associate Science & Standards Liaison	BIO42020 Biologics Monographs 4 - Antibiotics

Chromatographic Database Information: [Chromatographic Database](#)

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