

Recombinant Human Thyroid-Stimulating Hormone Reference Standard

Cat. No. rhTSH-31HRS **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	CHO
Tag	Non
Form	Freeze-dried powder
Stability	Stability studies at elevated temperatures have shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned value. Reference Materials should be stored on receipt as indicated on the label. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use.
Storage	Unopened ampoules should be stored at -20°C.
contents	Each ampoule contains the residue after freeze-drying of 1.0 ml of a solution that contained: Recombinant TSH nominally 0.87 mg Sodium phosphate 2.6 mg Sodium chloride 2.0 mg Mannitol 30 mg

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Shipping	Because of the inherent stability of lyophilized material, may ship these materials at ambient temperature.
UNITAGE	Each ampoule contains 9.5 IU per ampoule (by definition).
USE OF MATERIAL	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For practical purposes each ampoule contains the same quantity of thyroidstimulating hormone. The entire content of each ampoule should be completely dissolved in an accurately measured amount of diluent. No attempt should be made to weigh out portions of the freeze-dried powder. Suitable diluents are PBS, saline and most assay buffers. If the contents are to be diluted extensively, the addition of 0.05 – 0.1% protein (HSA or BSA) is recommended to minimise adsorption. The use of water to reconstitute ampoule contents is not recommended.

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