

Native Human Chorionic Gonadotropin Reference Standard

Cat. No. HCG-27HRS **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human
Tag	Non
Form	White powder
Stability	Reference Materials should be stored on receipt as indicated on the label. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use.
Usage	This is intended for use in the calibration of bioassays and immunoassays for hCG.
Storage	Unopened ampoules should be stored at -20°C.
contents	Each ampoule contains the residue after freeze-drying of 0.5 mL of a solution that contained: 20 µg hCG 10 mg/ml trehalose 50 mM sodium phosphate buffer, pH 7.4 2 mg/ml human plasma albumin

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Shipping	Because of the inherent stability of lyophilized material, may ship these materials at ambient temperature.
UNITAGE	159 IU per ampoule for bioassay 186 IU per ampoule for immunoassay, corresponding to 0.41 nmol per ampoule for immunoassay. This value has an expanded uncertainty of 0.40 - 0.43 nmol/amp (k=2.12).
USE OF MATERIAL	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For all practical purposes, each ampoule contains the same quantity of the substances listed above. Depending upon intended use, dissolve the total contents of the ampoule in a known volume of a suitable diluent. Carrier protein (0.05 - 0.1% BSA or HSA) should be added where extensive dilution is required. The ampoules do not contain bacteriostat and the solution of the reagent should not be assumed to be sterile.

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