

Recombinant Human KERATINOCYTE GROWTH FACTOR Reference Standard

Cat. No. KGF-07HRS **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Tag	Non
Form	Freeze dried powder
Stability	Accelerated degradation studies have indicated that this material is suitably stable, when stored at -20°C or below, for the assigned values to remain valid until the material is withdrawn or replaced. These studies have also shown that the material is suitably stable for shipment at ambient temperature without any effect on the assigned values.
Storage	Unopened ampoules should be stored at -20 degrees C in the dark. Freezing and reuse of reconstituted material should be avoided unless this can be validated for the particular laboratory, storage and assay conditions. Repeated freezing and thawing should be avoided.
contents	Each ampoule contains the residue after freeze-drying of 1.0mL of a solution that contained KGF 4.9 microgram/mL

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L-histidine 10 mM pH 7.0
trehalose 2.0 mg/mL
HSA 0.5 %

Shipping

The ampoules are shipped at ambient temperature.

UNITAGE

The assigned potency of the 1st WHO Reference Reagent for KGF is 4000 units of KGF per ampoule.

USE OF MATERIAL

No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution.

It is intended for calibration of local standards. For all practical purposes, each ampoule contains the same quantity of KGF. The entire contents of each ampoule should be completely dissolved in a known volume of suitable solvent, for example phosphate buffer. It is recommended that, when possible, buffer containing carrier protein should be used to minimize loss by surface adsorption. The solvent should be compatible with the assay system used.

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