



Handling of GroPep Bioreagents Growth Hormones

General Precautions:

- * Avoid low concentrations of < 1 mg/ml
- * Avoid freeze-thaw cycles

Stability / Storage:

Growth hormones in the lyophilized state should be stored at 2-4°C and are stable for at least 2 years.

Handling Procedure:

GroPep Bioreagents growth hormones are supplied as a lyophilized preparation in glass vials in an atmosphere of nitrogen at a slight vacuum (-25kPa). To avoid losses care should be taken to equilibrate this vacuum when opening the vial and reconstituting the peptide. An air-filled syringe may be introduced through the bung to equalize the pressure before opening.

Reconstitution and Stock Solutions:

The protein should be reconstituted in sterile distilled or Milli-Q water at a concentration of 1 mg/ml. In this form it is stable for at least 3 months at -20°C or -80°C. Avoid freeze-thaw cycles.

IMPORTANT: Irrespective of size, always reconstitute the entire vial *in situ* and then aliquot. Each vial contains the stated amount of protein indicated on the label and up to 20% more by mass due to the residual moisture and counter ions retained during the freeze drying process. Therefore DO NOT estimate protein content by weight or gravimetric means as this will underestimate the actual protein content by up to 20%.

Working Solutions:

Working solutions (<1 mg/ml) are not recommended for long term storage.

Sterilization:

GroPep Bioreagents products are prepared using aseptic techniques and should therefore be adequate for most purposes.

*** NOT FOR USE IN HUMANS**

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