

# Handling of GroPep Bioreagents IGF Binding Proteins 1-6



## General Precautions:

\* Avoid freeze-thaw cycles

## Stability / Storage:

In lyophilized form IGF Binding Proteins should be stored at 2-4°C and are stable for at least 2 years, or 6 months at room temperature.

## Handling Procedure:

GroPep Bioreagents IGF Binding Proteins are supplied as lyophilized preparations in glass or siliconized plastic vials. Care should be taken when opening the vial and reconstituting the IGF Binding Protein to avoid any losses.

## Reconstitution and Stock Solutions:

Reconstitute the lyophilized IGF Binding Protein in sterile-filtered 10 mM HCl at a concentration of 0.1 - 1 mg/ml (see below). This working solution is stable at 4°C for at least one week. For longer term storage it is recommended the solution is snap-frozen and stored at -80°C. Avoid additional freeze-thaw cycles. Stock solutions of peptide can be stored for at least six months at -80°C.

**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%.

## Handling of 20 µg vials:

Although a 1 mg/ml stock solution is always preferable, it is often not practicable when reconstituting smaller quantities of IGF Binding Proteins. For 20 µg pack sizes the protein should be dissolved in 100 µl of 10 mM HCl and treated as above.

## 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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