

CytoGrow™ Recombinant Insulin (Bovine)

Catalog Numbers: CG123-10MG, CG123-100MG, CG123-1G

Revision 1.0

Specifications

Synonym	Insulin; INS; IDDM; ILPR; IRDN; MODY10
Species	Bovine
Size	1mg/vial
Tag	Tag Free
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤20 EU/m
Expression System	Yeast
Expression Region	Gly85-Asn105 & Phe25-Lys53
pH	7.0-8.0
Appearance	White Powder or clear liquid
Formulation	Lyophilized
Shipping	US - Ships overnight
Reconstitution	Recommended to redissolve in sterile 0.01 M HCl at a concentration of not less than 1mg/mL.
Storage and Stability	<p>Lyophilized state: 36 months at -20°C to -80°C</p> <p>After reconstitution and under sterile conditions. 6 months at -20°C to -80°C 7-10 days at 2°C to 8°C</p> <p>Store in a manual defrost freezer and avoid repeated freeze-thaw cycles.</p>

Bioactivity

Reconstitution

1. Reconstitute protein to concentrations of 100 ug/mL or higher.
2. Use sterile 0.01M HCl to solubilize the lyophilized protein.
3. Gently tap glass vial to help collect the powder to the bottom.
4. Add desired amount of buffer, observe after 2 min. Gentle agitation by hand may be required.
5. Prepare aliquots of solution. Freeze at -20°C to -80°C to avoid repeated freeze thaw cycles.