

Product: **Human Recombinant Insulin**
 Cat. No. 800-112P

Product Description

Human Insulin is a peptide hormone produced in the islets of langerhans in the pancreas. It is central to regulating carbohydrate metabolism in mammalian cells. In synthetic medium insulin is one of the most important components in the cell culture supplement that stimulates mammalian cell growth in the absence of serum with a generation time equal to that of cells in serum-containing medium. It is recommended to be 1-20 µg/mL in media, but should be optimized for each process.

Storage

Store at frozen at -20°C

Reconstitution and Storage:

Dissolve the microcrystalline insulin in sterile 0.005 N HCl to a concentration up to 2 mg/ml; the solution is stable at 2-8°C up to 2 weeks; for long term storage, dilute the solution 1:1 with sterile 20 mM phosphate buffer the solution is stable at 2-8°C for 2 months if kept sterile.

For *in vitro* diagnostic laboratory use or further manufacturing only. Not for human therapeutic use.