

GLP-1 (Active) in Plasma

Method:	Enzyme Immunoassay (ELISA)
Kit Manufacturer:	Alpco Diagnostics, Salem, NH 03079
Description:	<p>Glucagon-like peptide-1 (GLP-1) is a neuropeptide and an incretin derived from the transcription product of the proglucagon gene. The biologically active forms of GLP-1 are: GLP-1-(7-37) and GLP-1-(7-36)NH₂.</p> <p>GLP-1 possesses several physiological properties that make it (and its functional analogs) a subject of intensive investigation as a potential treatment of diabetes mellitus.</p> <p>The main actions of GLP-1 are to stimulate insulin secretion and to inhibit glucagon secretion. It also inhibits gastrointestinal motility and secretion. GLP-1 also appears to be a physiological regulator of appetite and food intake.</p>

Collection and Performance Characteristics

Tube type:	<p>**Special Draw tube Required** 13 x 75 mm x 2.0 mL or 16x100 mm 8.5 mL BD Vacutainer® P800 which contains: K2 EDTA and Proprietary Cocktail of Protease, Esterase and DPP-IV Inhibitors that enables preservation of GLP 1. Must be stored in the fridge and brought to room temp before use.</p> <p>Preferred: Plasma</p> <p>Process as quickly as possible on ice and quick-freeze at -80 C Avoid multiple Freeze/thaw cycles</p>
Minimum Volume:	<p>0.2 mL</p> <p>Avoid repeated freeze-thaw cycles Store at -80°C until analysis is performed Avoid using hemolyzed or lipemic samples.</p>
Lowest Reportable Value:	1.5 pg/mL
Dynamic range:	1.5 – 500 pg/mL
Precision:	<p>Intra-Assay variation is: 3.5 – 3.9% Inter-Assay Variation is: 3.8 – 4.8%</p>
Reference Range:	