

GLP-1 (Glucagon-Like Peptide-1), Total

Analyte: Glucagon-Like Peptide 1 Total

Specimen Type: Plasma from BD P700 or P800, EDTA Plasma with preservatives; contact nexelis for collection instructions

Optimum Volume: 0.5 mL

2-8°C

-20°C

-70°C

6 hours

6 months

2.8 years

Reporting units: pmol/L

Method: Electrochemiluminescent

Biological or Clinical Significance:

Glucagon-like peptide 1 (GLP-1) is a 3.5 kD incretin hormone secreted primarily from the enteroglucagon-producing L-cells in the small intestine. It is released in response to a meal and is highly potent in stimulating insulin and inhibiting glucagons secretion. GLP-1 (7-36) amide and GLP-1 (7-37) are the biologically active forms of GLP-1. In vivo, the active forms are rapidly degraded by the dipeptidyl peptidase IV (DPP-IV).

Principle of Test Method:

The GLP-1 total assay is an ultra-sensitive kit designed to quantify human total GLP-1 in human plasma, serum, and other biological media. This immunoassay employs electrochemiluminescent detection.