

GLP-2 (Glucagon-Like Peptide-2)

Analyte: Glucagon-Like Peptide 2

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 days 1 month 2 years

Reporting units: ng/mL

Method: ELISA

Biological or Clinical Significance:

Proglucagon gene is expressed in both pancreatic A cell and intestinal L cell. Tissue-specific posttranslational processing of proglucagon by prohormone convertase produces different proglucagon derived peptides (PGDPs) in both pancreas and intestine. The most notable PGDP is glucagon, whereas intestinal L cell produces several structurally related peptides, including glucagon-like peptide 1 (GLP-1) and 2 (GLP-2), as well as glicentin and oxyntomodulin, which contain glucagon sequence in their molecules. Among PGDPs, GLP-2 has been found to show intestinal epithelial proliferation.

Principle of Test Method:

The ELISA kit for determination of human GLP-2 in plasma and serum samples is a competitive enzyme immunoassay.