

Glucagon, Plasma

Test ID: GLP**Explanation:**

On the listed date, test Glucagon, Plasma (GLP) will implement the following changes.

Current Method

Immunoassay

New Method

Enzyme-Linked Immunosorbent Assay (ELISA)

Current Reference Value

< or =6 hours: 100-650 pg/mL
1-2 days: 70-450 pg/mL
2-4 days: 100-650 pg/mL
4-14 days: declining gradually to adult levels
>14 days: < or =80 pg/mL (range based on 95% confidence limits)

Glucagon levels are inversely related to blood glucose levels at all ages. This is particularly pronounced at birth and shortly thereafter, until regular feeding patterns are established. This explains the higher levels immediately after birth, which then first fall as the glucagon release mobilizes the infant's glucose stores, then rise again as stores are depleted, finally normalizing towards adult levels as regular feeding patterns are established.

New Reference Value

> or =1 year of age: < or =159 pg/mL
<1 year of age: No reference interval established.

Test Classification

Tuesday, Thursday

New Days Performed

Tuesday, Friday

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.