MAYO CLINIC LABORATORIES

Test Definition: GLP
Glucagon, Plasma

Reporting Title: Glucagon, P
Performing Location: Rochester

Specimen Requirements:
Patient Preparation: Fasting (8 hours)
Supplies: Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube: Lavender top (EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 2 mL
Collection Instructions:
1. Pre-chill tube at 4 degrees C before collecting the specimen.
2. Draw into the pre-chilled tube and process as follows:
a. Chill filled tube in wet ice for 10 minutes.
b. Centrifuge in a refrigerated centrifuge or in a pre-chilled centrifuge carrier.
c. Immediately after centrifugation, aliquot plasma into a plastic vial, and freeze.

Specimen Minimum Volume:
0.45 mL

Forms:
If not ordering electronically, complete, print, and send an Oncology Test Request (T729) with the specimen.

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Frozen	90 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
9358	Glucagon, P	Numeric	pg/mL	2338-2

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:

82943

Reference Values:

< 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.

For SI unit Reference Values, see www.mayocliniclabs.com/order-tests/si-unit-conversion.html