

GLUCAGON, PLASMA

Orderable - GLUCA

Turn Around Time: 10 days

Specimen:

Adult	Pediatric
4 mL Lavender top Vacutainer tube	0-2 years: 2-3 x 0.5 mL Lavender top Microtainers 2-10 years: 3 mL Lavender top Vacutainer tube

Collection Information:

Collect fasting specimen. Pre-chill tube at 4°C before drawing the specimen. Draw into the pre-chilled tube, and then chill tube in wet ice for 10 minutes. Centrifuge in a refrigerated centrifuge or in chilled centrifuge cup. Immediately after centrifugation, remove plasma, place in a plastic transport vial and freeze.

The minimum volume required is 0.45 mL.

Note: This test is approved for Dr. Stan Van Uum. All other physicians requesting this test will require biochemist approval.

Reference Ranges:

Time	Range
< 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)

Interpretive Comments:

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



Laboratory:
Core Lab



Requisition:
GENERAL LABORATORY
REQUISITION




Method of Analysis:
Immunoassay following
extraction



Test Schedule:
Referred out Monday-
Thursday



Referred Out Location:
[In-Common Laboratories](#)



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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.

Special Processing:

Separate plasma and freeze as soon as possible.

Storage and Shipment:

Store and ship plasma frozen.

Specimen Stability:

Frozen 90 days