

Glucagon ELISA

Measuring Glucagon in Human Plasma



This cutting-edge kit is designed to accurately measure glucagon levels in human plasma using our advanced ELISA (Enzyme-Linked Immunosorbent Assay) technology.



High Sensitivity



Short Incubation Time



Low Cross-Reactivity

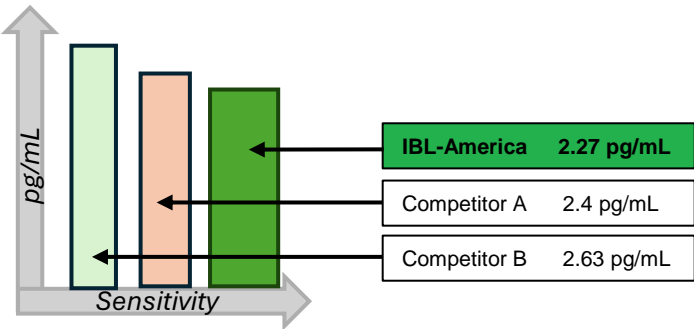


High Precision

The Glucagon ELISA kit is **easy to use** (room temperature incubation & no shaking required), **patient friendly** (no biotin is used), and **end-user friendly** (samples collected in regular EDTA tubes without the addition of inhibitors).
 510(k) Exempt - For in vitro diagnostic use only

Sensitivity

IBL-America's kit ensures the lowest **LoD**, providing the **highest sensitivity** rating among the kits tested.



LoB: 96 replicates of each lot of Cal A (4 lots total) across 6 tests (3 kit lots, 2 tests for each kit lot) were run.

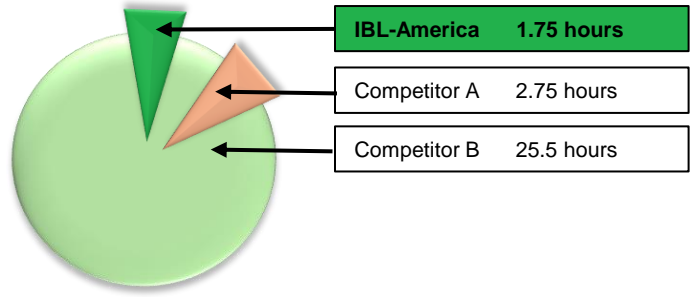
LoD: 96 replicates of each low-value sample (4 samples in total) across 6 tests (3 kit lots, 2 tests of each kit lot) were run.

LoQ: Lowest glucagon concentration that produces a sample CV% of less than 20%.

| Parameter | IBL-America | A | B |
|-----------|-------------|---------|------------|
| LoB | 0.80 pg/mL | No Data | No Data |
| LoQ | 5.33 pg/mL | No Data | 5.25 pg/mL |

Incubation

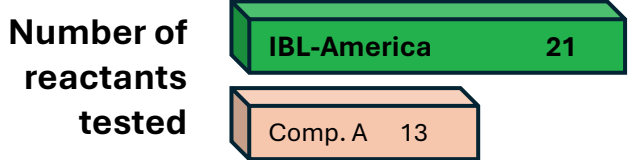
Time



| | IBL-America | A | B |
|-------------|-------------|------|--------------|
| Shaker | No | Yes | Yes |
| Temperature | Room | Room | 4° Overnight |

Cross-Reactivity

No detectable cross-reactivity for 21 cross-reactants (including oxyntomodulin and glicentin)



For comprehensive product details, visit:
IBL-America.com.



Revision 1.2 - Dec 30, 2024

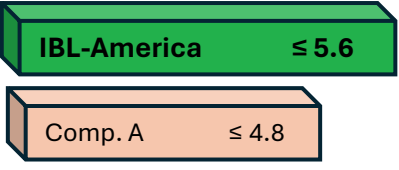
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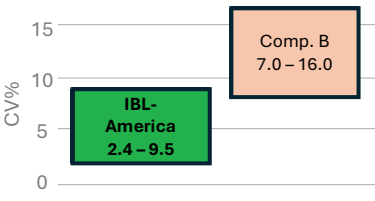
Repeatability

n = 80 results per sample (20 testing days x 2 runs x 2 replicates.) CV ≤ 5.6%



Reproducibility

n = 75 results per sample (3 conditions x 5 testing days x 5 replicates.) CV ≤ 2.4-9.5%



Lot-to-Lot Precision

n = 75 results per sample (3 lots x 5 testing days x 5 replicates.) CV: 2.5 – 11.8%

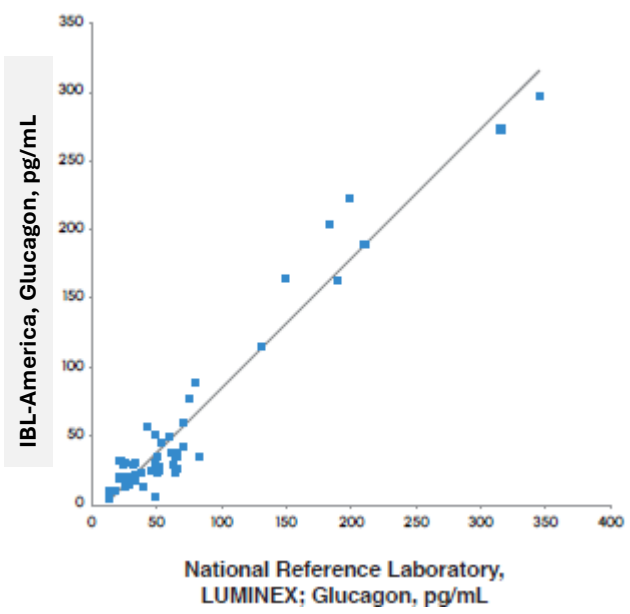
| IBL-America | A | B |
|---|--|---|
| 36 potential interferents were tested. | No interference for hemoglobin, Biotin, intralipids, and bilirubin at two times their physiological concentration. | Interference 36% for oxyntomodulin 1050 pg/mL, hemoglobin > 50 mg/dL, interfere test. |
| No interference by EP07/EP37 and published literature | | |

Reference Range

| IBL-America | A | B |
|------------------------------------|---|-----------------------------------|
| 6.7 – 66.6 pg/mL, n = 123, fasting | 13 – 159 pg/mL, undifferentiated population (diabetic and non-diabetic), n = 1533 | ≤5.2 – 62.7 pg/mL, n=121, fasting |

Commutability

Correlation between IBL's Glucagon ELISA and National Reference Laboratory LUMINEX: r² = 0.94 (r = 0.97), slope 0.94 shows significant



Kit Accelerated Stability

| IBL-America | A | B |
|-----------------------------------|---------|---------|
| At 37°C, stable for up to 11 days | No Data | No Data |

In-Use Stability

| IBL-America | A | B |
|----------------|---------|---------|
| Up to 3 months | No Data | No Data |

For comprehensive product details, visit: IBL-America.com.

