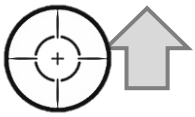
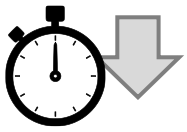
Glucagon ELISA

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

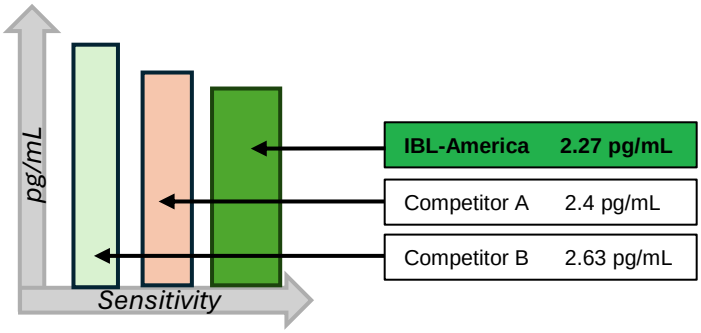
Low Cross-Reactivity

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).

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.

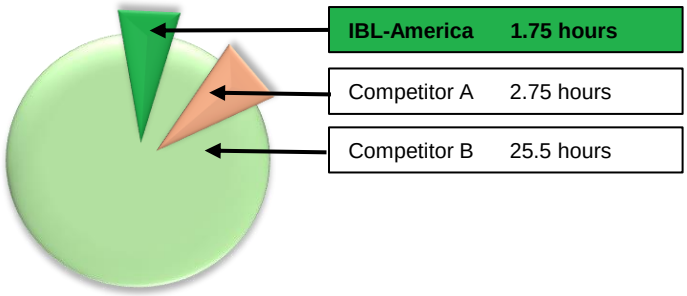
LoD: 96 replicates of each low-value sample (4 samples in total) across 6 tests (3 kit lots, 2 tests of each kit lot) were run.

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

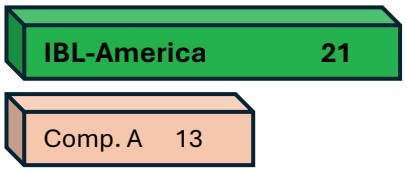


	IBL-America	A	B
Shaker	**No**	Yes	Yes
Temperature	**Room**	Room	4° Overnight

Cross-Reactivity

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

Number of reactants tested



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

Revision 1.1 – Dec 20, 2024

888-523-1246 | info@ibl-america.com

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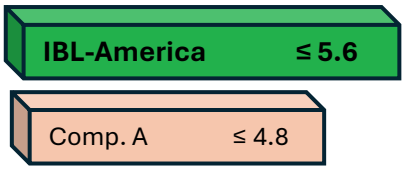
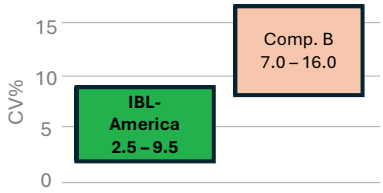
Repeatability

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 ≤ 5.6%**



Lot-to-Lot Precision

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

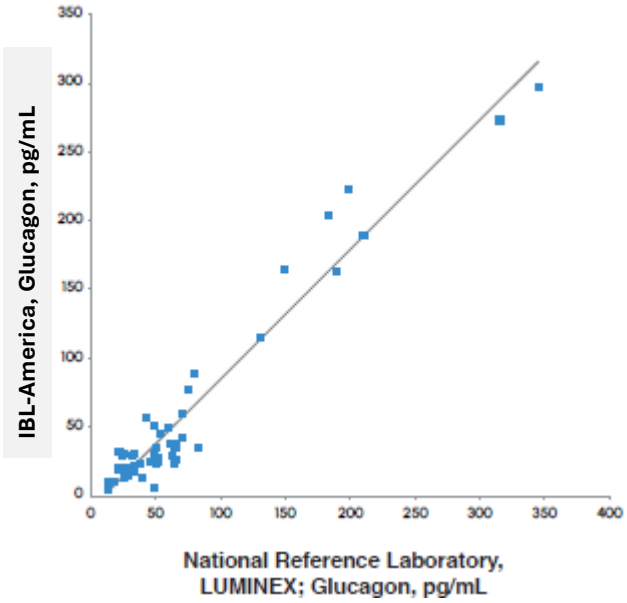
IBL-America	A	B
36 potential interferents were tested. **No interference by EP07/EP37 and published literature**	No interference for hemoglobin. Biotin, intralipids, and bilirubin at two times their physiological concentration.	Interference 36% for oxyntomodulin 1050 pg/mL, hemoglobulin > 50 mg/dL, interfere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

Reference Range

IBL-America	A	B
6.7 – 66.6 pg/mL, n = 124, 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: $r^2 = 0.94$ ($r = 0.97$), 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.

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