

Glucose · reagent lot comparison

Glucose (mg/dL) · Reagent lot comparison ✓ Criteria met

2 of 2 questions judged · Specimens and Lot plan met

Instrument **Chemistry analyzer A** Previous lot **LOT-A** New lot **LOT-B** Study date **Sep 22, 2026**

Table 1. Acceptance criteria

Question	Limit	Allowed	Finding	Result
Specimens	95% within ± 2 mg/dL or $\pm 2\%$ of the previous lot, whichever is greater		● 6 of 6 within	✓ Met
Lot plan	6 matched pairs, each level in its planned range		6 pairs	✓ Met

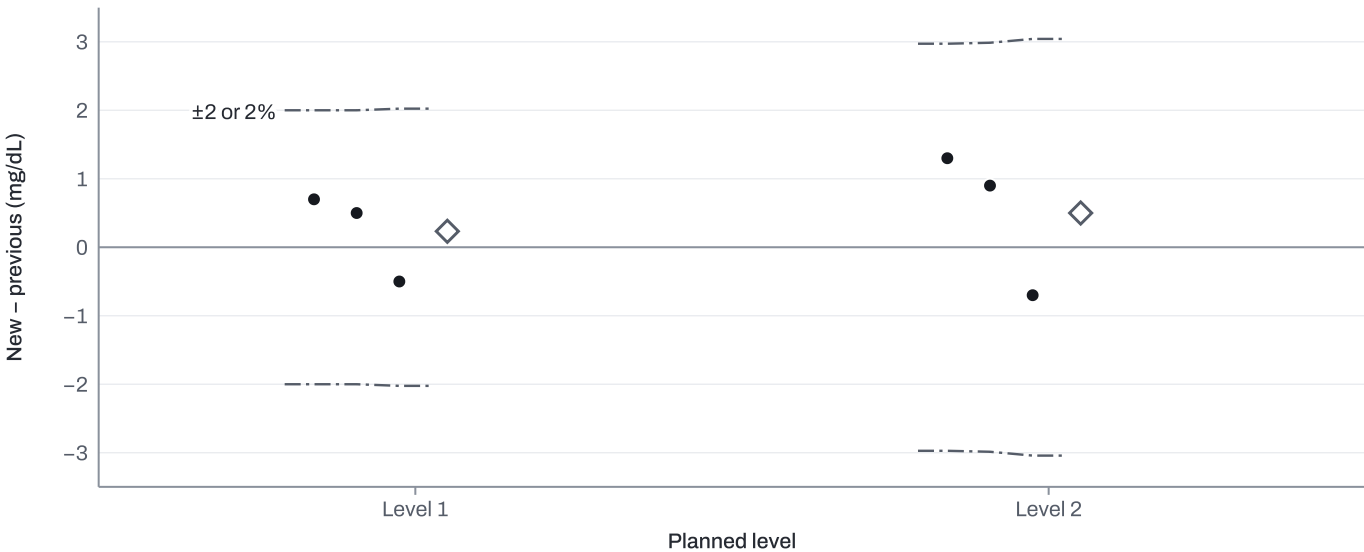


Figure 1. Each specimen's difference by planned level, in order of concentration; dash-dot: its allowed difference; open diamonds: level mean difference.

Table 2. Results by level (mg/dL)

Level	Planned	Pairs / minimum	Within limit	Mean difference	95% CI
1	90–110	3 / 3	3 of 3	+0.23	–1.36 to 1.83
2	140–160	3 / 3	3 of 3	+0.50	–2.13 to 3.13

Mean difference (new – previous) over all pairs +0.37 mg/dL (95% CI –0.47 to 1.20); SD of the differences 0.797 mg/dL.

Study details

Matrix	Serum	Method	Hexokinase	Calibrator lot	GLU-C2609
Data	14 included				

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Signed off by

Oct 23, 2026, 13:23 UTC

Date

A Data listing

Source: lots.csv. 14 rows, all included.

Study row	Specimen	Lot	Level	Sample	Result (mg/dL)	Source row
1	S01	LOT-A	1	Patient	98.4	2
2	S01	LOT-B	1	Patient	99.1	3
3	S02	LOT-A	1	Patient	101.2	4
4	S02	LOT-B	1	Patient	100.7	5
5	S03	LOT-A	1	Patient	99.8	6
6	S03	LOT-B	1	Patient	100.3	7
7	S04	LOT-A	2	Patient	148.6	8
8	S04	LOT-B	2	Patient	149.9	9
9	S05	LOT-A	2	Patient	152.1	10
10	S05	LOT-B	2	Patient	151.4	11
11	S06	LOT-A	2	Patient	149.3	12
12	S06	LOT-B	2	Patient	150.2	13
13	QC-1	LOT-A	1	QC	100.5	14
14	QC-1	LOT-B	1	QC	100.9	15

1 Results

1.1 Specimen results

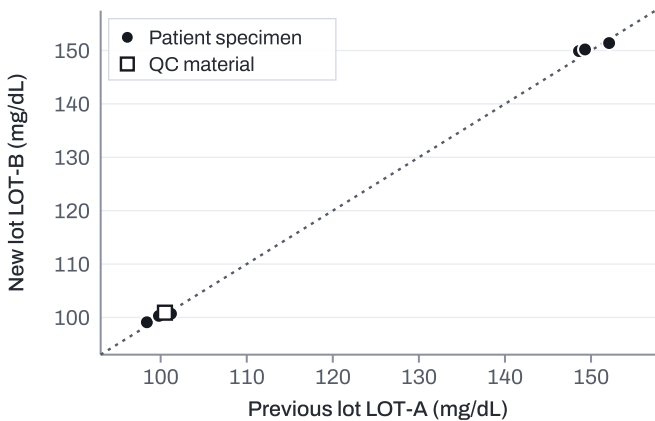


Figure 2. New lot against previous lot; dotted line: equal results.

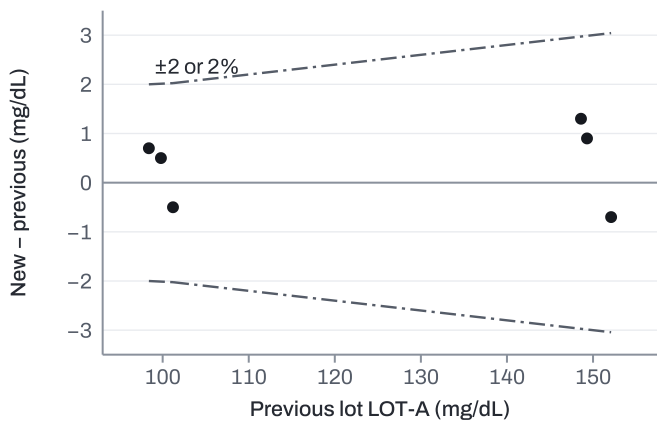


Figure 3. Each specimen's difference with its allowed range.

Table 3. Specimen results (mg/dL)

Specimen	Level	Previous lot LOT-A	New lot LOT-B	Difference	Allowed	Result
S01	1	98.4	99.1	+0.70	±2.00	✓
S02	1	101.2	100.7	-0.50	±2.02	✓
S03	1	99.8	100.3	+0.50	±2.00	✓
S04	2	148.6	149.9	+1.30	±2.97	✓
S05	2	152.1	151.4	-0.70	±3.04	✓
S06	2	149.3	150.2	+0.90	±2.99	✓

Difference = new - previous.

Table 4. QC material (mg/dL)

Material	Previous lot LOT-A	New lot LOT-B
QC-1	100.50	100.90

QC material is not part of the lot decision.

1.2 Plan coverage

Table 5. Plan coverage

Level	Previous-lot results (mg/dL)	Inside the planned range
1	98.4–101.2	3 of 3
2	148.6–152.1	3 of 3