

Untitled study

Glucose (mg/dL) · Top-down uncertainty · multiple assigned materials

✓ Criteria met

Study date Not recorded

Table 1. Acceptance criteria

Question	Limit	Allowed	Finding	Result
Expanded uncertainty	No more than 8%		6.61%	✓ Met

Table 2. Expanded uncertainty

Expanded uncertainty U (%)	U at 127.5 mg/dL (mg/dL)	Coverage factor k	Laboratory limit	Result
6.61	8.43	2	No more than 8%	✓ Met

Table 3. Uncertainty components

Component	Value (%)
Within-laboratory precision	2.20
Root mean square bias	2.06
Assigned-value standard uncertainty	1.37
Combined bias contribution	2.47
Combined standard uncertainty	3.31

Study details

Data 4 included

Signed off by

Date

A Data listing

Source: manual entry. 4 rows, all included.

Study row	Material	Laboratory	Assigned (mg/dL)	Assigned uncertainty	Assigned factor
1	PT-A	98.5	100	3.0	2
2	PT-B	204.0	200	6.0	2
3	CRM-1	151.2	150	2.4	2
4	PT-C	58.1	60	2.0	2

1 Results

1.1 Bias evidence · Within-laboratory precision entered on Set up. 4 of 4 results used. Concentration range: 60.00–200.00 mg/dL.

Table 4. Independent material contributions

Material / event	Results	Bias (%)	Assigned standard uncertainty (%)
PT-A	1	−1.50	1.50
PT-B	1	2.00	1.50
CRM-1	1	0.80	0.80
PT-C	1	−3.17	1.67