

Untitled study

Ferritin (ng/mL) · Dilution verification Undecided

0 of 2 questions judged · Dilution recovery (per dilution) and Dilution recovery (per dilution) undecided

Study date **Not recorded**

Table 1. Acceptance criteria

Question	Limit	Allowed	Finding	Result
Dilution recovery (per dilution)	Between 90% and 110% at each dilution		3 of 4 dilutions within 1 undecided	 Undecided ^a
Dilution recovery (per dilution)	Between 96% and 104% at each dilution		3 of 4 dilutions within 1 undecided	 Undecided ^a

^a Measured value 9.8 ng/mL is outside the reportable range (10 to 400 ng/mL). Recovery is not decided. At face value it meets the criterion.

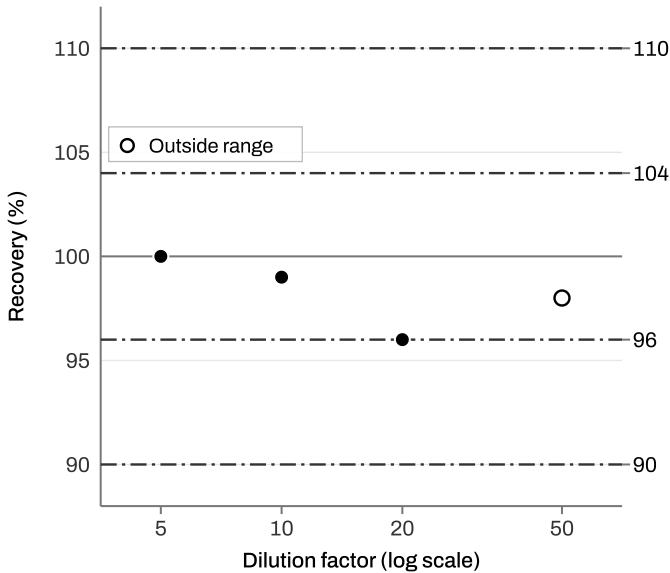


Figure 1. Recovery of each dilution; dash-dot lines: limits.

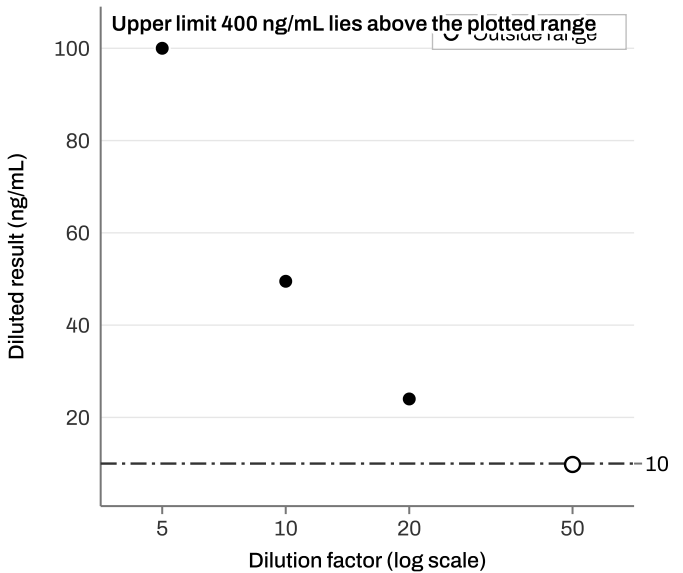


Figure 2. Diluted results; dash-dot lines: reportable range.

Table 2. Results by pool (ng/mL)

Pool	Expected	Factors	Recovery (%)	Within limit	Verified range	Result
1	500	×5 to ×50	96.00–100.00	3 of 4	480.00–500.00	 Undecided

Pool 1: claimed lower and upper limits were not evaluated.

Study details

Data	4 included	Reportable range	10–400 ng/mL	Claimed interval	10–600 ng/mL
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Signed off by

Date

A Data listing

Source: manual entry. Pool 1. 4 rows, all included.

Study row	Specimen	Factor	Result (ng/mL)
1	D1	5	100
2	D2	10	49.5
3	D3	20	24.0
4	D4	50	9.8

1 Results

1.1 Dilutions

Table 3. Dilutions

Pool	Specimen	Row	Preparation	Factor	Measured (ng/mL)	In range	Corrected (ng/mL)	Recovery (%)	Result
1	D1	1	100 + 400	×5	100.0	Yes	500.00	100.00	✓ Met
1	D2	2	Stated	×10	49.5	Yes	495.00	99.00	✓ Met
1	D3	3	10 × 2	×20	24.0	Yes	480.00	96.00	✓ Met
1	D4	4	Stated	×50	9.8	No	490.00	98.00	⊗ Undecided ^a

^a Measured value 9.8 ng/mL is outside the reportable range (10 to 400 ng/mL). Recovery is not decided. At face value it meets the criterion.
Preparation: specimen + diluent volumes, serial steps or a stated factor. Factor = (specimen + diluent) / specimen. Corrected = measured × factor.
Recovery = corrected / expected × 100. In range: measured inside the reportable range, 10–400 ng/mL.

2 Study notes

- 1. One of 4 dilutions was measured outside the reportable range.
- 2. Claimed lower limit 10 ng/mL was not evaluated: the lowest usable corrected result is 480.00 ng/mL.
- 3. Claimed upper limit 600 ng/mL was not evaluated: the highest usable corrected result is 500.00 ng/mL.