

22 March 2021

To: Recipients of EP07, 3rd ed.

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Subject: Combined Corrections

This notice is intended to inform users of corrections made to CLSI document EP07, *Interference Testing in Clinical Chemistry*, 3rd ed. The corrections are described below and shown as highlighted and/or stricken text in the excerpts.

Correction: 22 March 2021

Table A1. Measurand Concentration for Use in Interference Testing:

The conventional units and SI-derived units for iron-binding capacity are listed incorrectly as “mg/dL” and “nmol/L,” respectively. The conventional units and SI-derived units for iron-binding capacity have been corrected to read “µg/dL” and “µmol/L,” respectively.

Table A1. Measurand Concentration for Use in Interference Testing

Measurand	Conventional Units and SI-Derived Units
Iron-binding capacity	mg/dL µg/dL
	nmol/L µmol/L

Correction: 25 July 2018

Subchapter 5.3.1, Analyzing the Results for Interference:

In equations (7) and (8), and in the first bullet below equation (7), " $t_{1-\alpha}$ " was corrected to read " $t_{1-\alpha/2}$ ":

$$\bar{X}_T - \bar{X}_C \pm t_{1-\alpha/2, N_C+N_T-2} \sqrt{\frac{s_C^2}{N_C} + \frac{s_T^2}{N_T}} \quad (7)$$

in which:

- $t_{1-\alpha/2, N_C+N_T-2}$ is found in a Student t -table as the $100(1-\alpha)$ percentile of a t -distribution with $N_C + N_T - 2$ degrees of freedom.
- N_C is the number of replicates for the control sample.
- N_T is the number of replicates for the test sample.
- S_C is the SD for the control sample calculated from the N_C values.
- S_T is the SD for the test sample calculated from the N_T values.

NOTE: Equation (7) assumes the variance of the test and control samples are not necessarily the same.

To calculate the confidence interval around the corresponding percent interference, divide the lower and upper limits of the confidence interval calculated from equation (7) by the mean measurand value of the control sample (\bar{X}_C) and multiply by 100 as noted below in equation (8).

$$\frac{\left(\bar{X}_T - \bar{X}_C \pm t_{1-\alpha/2, N_C+N_T-2} \sqrt{\frac{s_C^2}{N_C} + \frac{s_T^2}{N_T}} \right)}{\bar{X}_C \cdot 100} \quad (8)$$

If you require any additional clarification regarding these corrections, please contact CLSI Customer Service (customerservice@clsi.org).

We appreciate your commitment to CLSI and regret any inconvenience.