

Supplemental Data Table S3. Sources of uncertainty in the ID-LC–MS/MS method for C-peptide measurement

Type of uncertainty source	Relative standard uncertainties (%)			
	Concentration 1	Concentration 2	Concentration 3	Concentration 4
Levels of samples (pmol/L)	199.3	634.4	1,573.1	2,836.8
A variation of repeated measurement	2.19	1.32	1.33	1.58
B purity of the standard solution	2.40	2.40	2.40	2.40
B weighing of standard solution	0.006	0.006	0.006	0.006
B weighing of stocking solvent	0.00005	0.00005	0.00005	0.00005
B weighing of stocking material	0.0045	0.0045	0.0045	0.0045
B weighing of working solvent	0.00005	0.00005	0.00005	0.00005
B weighing of sample	0.00096	0.0013	0.0032	0.0054
B weighing of water in density measurement	0.002	0.002	0.002	0.002
B weighing of sample in density measurement	0.001	0.001	0.001	0.001
Total	4.60	3.73	3.74	4.00
Relative extended uncertainty	9.20	7.46	7.48	8.00

Abbreviation: ID-LC–MS/MS, isotope dilution liquid chromatography-tandem mass spectrometry.