**Supplementary table 1.** Reproducibility evaluation of SRM analysis using quality control sample

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| **Acetylcarnitine concentration** | **Mean** | **SDa** | **CV(%)b** |
| QCc Low (25 ng/mL) | 23.8 | 3.8 | 15.8 |
| QCc Medium (75 ng/mL) | 70.4 | 8.2 | 11.7 |
| QCc High (250 ng/mL) | 241.1 | 20.0 | 8.3 |

aSD, standard deviation; bCV, coefficient of variation, cQC, quality control