12 Table S1. Parameters of the calibration lines obtained with the hTISIS and the 13

| Sample introduction |  |  |  |
| :---: | :---: | :---: | :---: |
| system | hTISIS | Conventional | Conventional |
| Calibration method |  |  |  |
| Average blank | 1,476 | 821 | $3.3 \mathrm{E}-03$ |
| SD blank | 37 | 27 | $1.1 \mathrm{E}-04$ |
| Slope | 51.5 | 8.9 | $3.2 \mathrm{E}-05$ |
| Intercept | 1,547 | 836 | $3.0 \mathrm{E}-03$ |
| $\mathbf{R}^{2}$ | 0.9999986 | 0.9997548 | 0.9993828 |

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