

Quality control:

All values represent the mean of an independent double measurement.
 Approximately 10% of the measurements with the highest CV were repeated and obvious outliers removed.
 To calculate the results the absorption of every well is adjusted with a control sample which is measured in 16 wells per plate to give the same absorption as this control sample had on the plates for the calibration curves. This absorption is then put into the equation of the calibration curves to calculate the concentration of each sample.

CV of the different indicators on the 384-plates (n = 5) for a pooled plasma sample (expected concentration in brackets)

| | mean | % |
|-------------------|-------|-------|
| FER (49.3 ug/L) | 48.86 | 2.22 |
| TFR (4.63 mg/L) | 4.77 | 3.65 |
| RBP (1.54 umol/L) | 1.49 | 1.53 |
| CRP (1.79 mg/L) | 1.83 | 10.66 |
| AGP (0.61 g/L) | 0.60 | 4.33 |

Calibration curves of the different indicators (certified QC samples from the CDC/Atlanta and Biorad Liquicheck controls)



