Analysis of various proteins in the cord plasma

The ranges of the IL-6, C3a, C5a, MMP-2, MMP-9, TIMP-1, M-CSF, endostatin, APRIL, IGFBP-1, IGFBP-2, and S100 A8/A9 standard curves were 0.2 – 10 pg/mL, 0.078 – 5.0 ng/mL, 0.08 – 5.0 ng/mL, 0.625 – 20 ng/mL, 31.2 – 2,000 pg/mL, 31.2 – 2,000 pg/mL, 62.50 – 4,000 pg/mL, 62.50 – 4,000 pg/mL, 31.2 – 2,000 pg/mL, 31.2 – 2,000 pg/mL, 62.50 – 4,000 pg/mL, 93.8 – 6,000 pg/mL, respectively. Prior to the measurement of these twelve proteins, the cord plasma samples were diluted using a 1:4 ratio for APRIL, 1:5 for IL-6, 1:10 for C5a, M-CSF, and MMP-2, 1:100 for MMP-9 and S100 A8/A9, 1:500 for IGFBP-1, IGFBP-2, TIMP-1, and endostatin, and 1:5000 for C3a. When concentration values were detected under the quantification limit, the lowest detected values on the standard curve were used for the analysis.