Nanoparticle Labelling-based Magnetic Immunoassay on Chip Combined with Electrothermal Vaporization – Inductively Coupled Plasma Mass Spectrometry for the Determination of Carcinoembryonic Antigen in Human Serum

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(Blocking: 5% (m/v) BSA, 60 μL, 8 μL min⁻¹; Flushing: 0.5% (v/v) PBST, 30 μL, 6 μL min⁻¹; other experimental conditions seen in Fig. 4)