

**A novel dark-field microscopy coupled with
capillary electrophoresis for single nanoparticles visual analysis**

Electronic Supplementary Information

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Video 1. Movement of CTAB-capped AuNPs (red) and SDS-capped AuNPs (green) in capillary at low electric field. Images were captured with a $\times 40$ objective lens and true-colour digital camera (Nikon DS-fi). CE conditions: running buffer, 5 mmol/L PBS at pH 9.0; electrokinetic injection, 5 kV; separation voltage, 0.6 kV.