Electronic Supplementary Material (ESI) for Analytical Methods.

A stable version of capillary electrophoresis for determining the human hemoglobin chains aiming at the screening and diagnosis of thalassemia

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Supplementary material

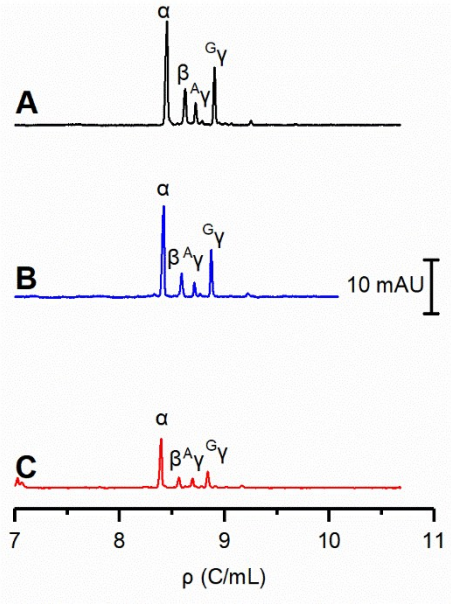

Fig. S1. Separation of globin chains in 3 M acetic acid containing 0.1% (w/v) HEC by pretreatment of 3.0 mg/mL Hb AF with acetone-HCl (A) or direct injection of 3.0 mg/mL Hb AF (B) and a whole blood sample from newborn (C). The total analytical time from about 1.5 h (A) to less than 20 min (B and C). Capillary length: 55 cm (50 cm effective length), 50 μm ID; Voltage: 18 kV; Injection: hydrostatics at 25 cm elevation for 20 s; Detection: 214 nm.

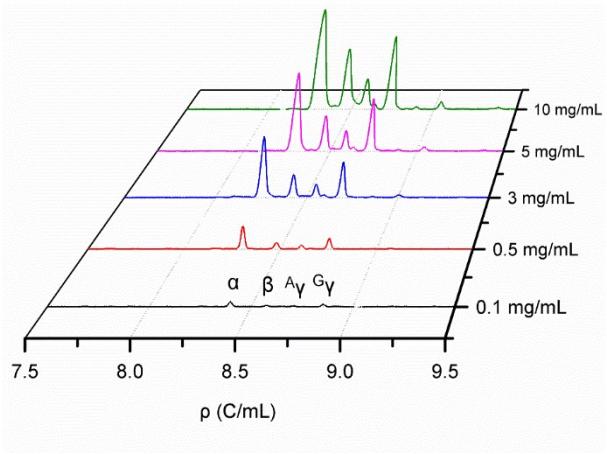

Fig. S2. The performance of the *ρ*-CE method on a wide range of Hb AF concentrations. Other conditions as in Fig. S1.