Supplementary Materials: Biomimetic Precapillary Flow Patterns for Enhancing Blood Plasma Separation: A Preliminary Study

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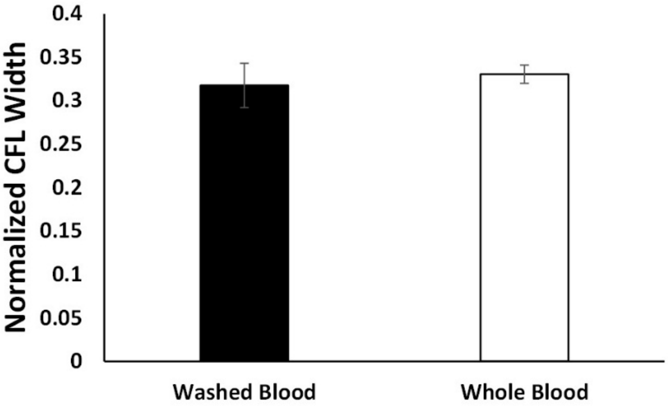

Figure S1. Comparison between the use of washed RBCs re-suspended in PBS and whole blood on the separation performance. Both samples were matched to 47.5% hematocrit. Statistical testing revealed no significant difference between the normalized CFL widths for both samples ($P > 0.05$).

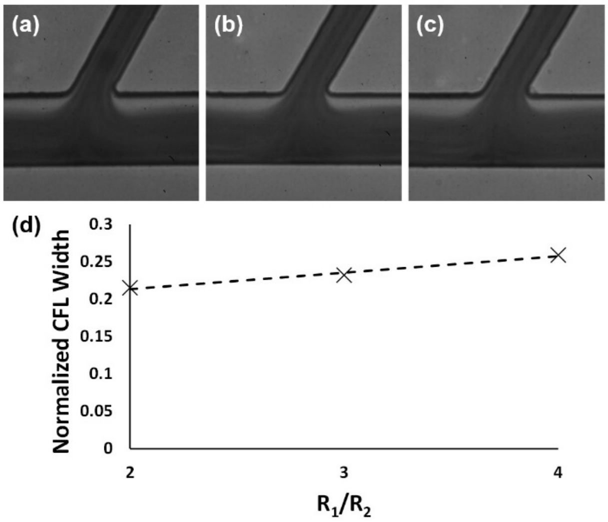

Figure S2. Typical examples for plasma separation from 40% hematocrit blood samples with the flow resistance differences of $R_1/R_2 = 2$ (**a**); $R_1/R_2 = 3$ (**b**) and $R_1/R_2 = 4$ (**c**); (d) Plot of normalized CFL width against R_1/R_2. The normalized CFL width increased linearly with R_1/R_2 due to increased flow biasing towards channel 2.