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## **Supplementary Information**

## Microfluidic Curved-Channel Centrifuge for Solution Exchange of Target Microparticles and their Simultaneous Separation from Bacteria

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## **Supplementary Figure 1**

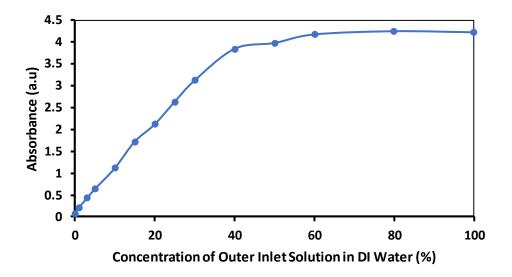


Fig. S1. Absorbance vs. concentration of the outer inlet solution (i.e. 10% Trypan blue in DI water) in DI water. A linear function (y=0.0963x+0.1525) was fitted over 0-40% data points with  $R^2=0.9959$ . The absorbance of the inner outlet sample along with the fitted curve were used to calculate the purity of the solution.

**Supplementary Movie** 1. Switching of water and Trypan blue at  $Q_1=Q_2=1$  mL.min<sup>-1</sup>.