

Abstract**A MICROFLUIDIC DEVICE**

Disclosed herein is a microfluidic device comprising, at least one sample inlet for receiving biological cells in a biological fluid sample; at least one sheath flow inlet for receiving a sheath fluid; at least one curvilinear channel configured to provide the biological fluid sample substantially in an outer flow and the sheath fluid in substantially an inner separated flow; a plurality of cell traps at the periphery of the curvilinear channel, each trap configured to admit a single cell having a targeted size range from the outer flow.

Fig. 1A



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