



Fig. S5 | 3D printed syringe pump. A bespoke syringe pump and user interface was designed and fabricated for this experiment. The syringe pump was used to pull the two inputs through the device at 1 and 5 $\mu\text{L}/\text{sec}$. The syringe pump is composed of several parts (**Fig. S7**), including 3D printed mechanical pieces, a custom designed and fabricated circuit board (**Fig. S9**), and a software user interface (**Fig. S10**). The CAD designs and software for the syringe pump have been made openly available. The total cost of the pump was \$56.33 (**Table S2**) and the 3D printed components can each be printed in less than 3 hours. Photo credit: Taylor Levy and Che-Wei Wang.