Pre-Lab Exercises
Lab #5: Paper-based Microfluidics
MIT Nanomaker_Spring 2013

1) Read the Scientific American article on microfluidics.

2) What types of experiments can you perform with microfluidics? List three consumer products that use microfluidics.

3) In this lab we’ll be creating microfluidics on paper using a commercial printer: what is the highest resolution available for a consumer laserjet or inkjet printer? What might limit printer resolution?

4) What might be the advantages/disadvantages of using paper microfluidics compared to the technologies described in the Scientific American article?

Weekly Challenge: Create the smallest MIT logo that you possibly can. You may use whatever you’d like, but it must be recognizable. [http://web.mit.edu/graphicidentity/logo/forprint.html](http://web.mit.edu/graphicidentity/logo/forprint.html)