

Team Myriad:

Simultaneous on-site measurement of different parameters from a single sample, called multiplexed point-of-care testing, has recently become more and more important for in vitro diagnostics because of the current systems either being bulky or involving expensive bench-top Bio-analyser's. Miniaturization of sophisticated laboratory procedures onto a tiny chip is facilitated using microfluidics. Our idea is to generate a microfluidics based system to design a lab on chip, which can be utilized to measure multiple analytes at a time. Our device will have multiple channels and finally following a cascade of reactions the final product will accumulate in the sensing area. We aim to make a prototype which will require minimal expertise to provide relevant results.

