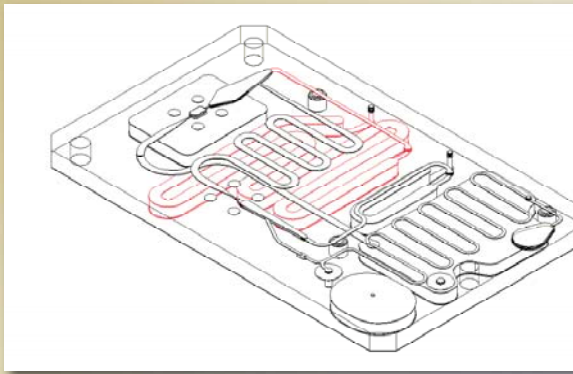


# Microfluidics for the Developing World

Microfluidics: The science of fluid flow in microchannels



Conditions in many local primary care settings are not ideal for current testing technology



Conceptual model of a testing system



Sample placed on card



Card process in desktop instrument



Genetic amplification & chemistry yields a readout on the card itself

Reduced time and cost



1–4 days, \$200–500



30 minutes, \$1–5