

Supplemental Figure 1



Supplemental Figure 2



Supplementary Figure Legends

Sup 1 and 2. Components of the Simple Plex immunoassay system:

1) **The desktop Ella Analyzer**, a microfluidic analyzer connected to a PC computer via USB and Ethernet cables. The PC has the Simple Plex Runner instrument control software, the Simple Plex Explorer data analysis software, and a barcode scanner to streamline data entry.

2) **The Simple Plex microfluidic cartridge**, an assay kit that contains a disposable cartridge, and all the reagents required to run the test.