**MAJOR EQUIPMENT**

**Updated September 1, 2020**

**Major Equipment for Emory Multiplexed Immunoassay Core (EMIC) Users**

**EMORY MULTIPLEXED IMMUNOASSAY CORE (EMIC)**

The **Emory Multiplexed Immunoassay Core (EMIC)**, one of the **Emory Integrated Core Facilities (EICF)**, houses two plate readers (SECTOR2400 and QuickPlex SQ120) to meet the needs of its users. These instruments require no customer calibration or maintenance, no complicated fluidics, and no between-read cleaning. The combination of rapid read times (90 seconds per plate) and the ability to perform multiple, simultaneous tests on a single sample increases productivity, conserves sample, and delivers results quickly. The MSD platform has a wide variety of commercially available assay kits and a full line of components and reagents for developing customized assays.

One high sensitivity imaging detection system SECTOR2400: provide unparalleled sensitivity and dynamic range, simple protocols, rapid and continuous reads, and fast, well-organized results via DISCOVERY WORKBENCH assay analysis software.

One high sensitivity imaging detection system MESO QuickPlex SQ 120: provide unparalleled sensitivity and dynamic range, simple protocols, rapid and continuous reads, and fast, well-organized results via DISCOVERY WORKBENCH assay analysis software.