

CVM Core Laboratory Fees

The **Cytation 5** is a conventional plate reader and digital microscope combined in one instrument. We have a gas controller, so we will be set up to provide appropriate conditions for live, cell-based assays. The Gen 5 software allows for easy image processing and analysis, including cell counting, confluence, cytoplasm analysis, intracellular analysis, and more. Internal fee is **\$8.43/hour**. External fee is **\$38.00/hour**.

Quant Studio 5 Real-Time PCR system offers up to 6 colors and 21 filter combinations with independent temperature zones that support running multiple experiments simultaneously. Internal fee is **\$9.70/hour**. External fee is **\$21.00/hour**.

The **iBright imager** offers a simplified user interface, combining DNA Gel, Protein Gel Chemiluminescence, and Fluorescence imaging into one instrument. I do have power supplies and gel tanks available. Internal fee is **\$5.85/image**. External fee is **\$15.75/image**.

The **Nanodrop OneC and Qubit 4** are excellent tools for nucleic acid quantification before use in downstream experiments. The Nanodrop one measures absorbance in purified DNA, RNA, and Protein. It has sample intelligence software that identifies and corrects for sample contaminants like phenol, guanidine, and protein. The Qubit uses fluorescence dyes that bind selectively to target DNA and RNA. **Nanodrop is \$8.50/hour and Qubit is \$8.31/hour**. External fee for both is **\$15.75/hour**.

The **Jess Western System** automates the protein separation and immunodetection of the traditional Western Blot. Proteins are separated by size, and it precisely manages antibody additions, incubations, washes, and detection steps and delivers quantitative results in 3 hours. Internal fee is **\$8.50/hour, minimum of 3 hours**. External fee is **\$50.00/hour, minimum of 3 hours**.

The **Tecan d300e** is a digital dose dispenser that uses HP printer technology to dispense small volumes down to the pL. Instead of ink cartridges, it uses cassettes that can be loaded to print droplets that are 11pl to 10uL. It can be used for automated Antimicrobial Susceptibility Testing, drug interaction studies, dose-response curves, and qPCR setup. Internal fee is **\$38.93/hour**. External fee is **\$84.00/hour**.

The **Agilent Seahorse XF** platform offers real-time cell metabolic analysis and can be used to expand your drug discovery pipeline by identifying gene and protein targets. Internal fee is **\$9.90/hour**. External fee is **\$38.00/hour**.

The **Agilent 4200 TapeStation** is a fully automated electrophoresis system. It offers a wide range of RNA and DNA Applications, as well as quality control before Next Gen Sequencing and vaccine development workflows. Internal fee is **\$9.60/sample or \$130/run of 16 samples**. External fee is **\$13.65/sample or \$190/run of 16 samples**.

Centrifuges:

Sorvall X4RPro-MD - \$8.55/hour internal fee; \$21.00/hour external fee

TX-1000 Rotor 4200 RPM: 15mL tubes, 50mL tubes, 1L bio-bottles and plates

Beckman Optima L-100XP Ultracentrifuge - \$27.38/hour internal fee; \$52.50/hour external fee

SW41Ti Rotor 41,000 RPM

SW32Ti Rotor 32,000 RPM

45 Ti Rotor 45,000 RPM

70 Ti Rotor 70,000 RPM

We have a **Sorvall Shaker Incubator** with a temperature range of 5—60C, and it is set up for traditional clamps or adhesion mats. We have a -80 Freezer available for researchers without a freezer or those needing short-term storage. We can accommodate one box or one rack for a small fee. Internal fee is **\$1.50/hour**. External fee is **\$5.50/hour**.