## Biacore T200 SPR

The Surface plasmon resonance instrument can be used to characterize molecular interactions between biomolecules ranging in size from ions to viruses.

## MALDI TOF/TOF Mass Spectrometer


Applications in fully automated proteomics experiments, LC MALDI analyses, functional genomics, quality control and polymer interrogation.

## MerMade Oligonucleotide synthesizer

The MerMade oligonucleotide synthesizer is designed to synthesize DNA, RNA and LNA oligo-nucleotides in column format using standard or modified chemistries.

## AB SCIEX TripleTOF 4600 system

High resolution, accurate mass MS and MS/MS for advanced qualitative and quantitative workflows.

## Elemental Analyzer (ICP-MS)

ICP-MS is the ideal trace elemental analyzer for a wide range of sample types and industries.

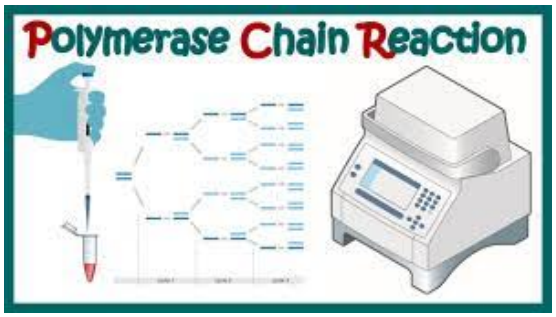
## BD FACSVerse Cell Analyzer

The flow cytometer provides rapid multi-parametric analysis of single cells in solution. It utilizes lasers as light sources to produce both scattered and fluorescent light signals that are read by detectors.

## Roche LightCycler 96 qPCR

A real-time PCR instrument for rapid cycling up to 96 samples. Applications include absolute and relative quantification, melting curve analysis, and endpoint genotyping.

## Thermocycler-PCR




PCR rapidly amplifies DNA to produce millions to billions of copies of a specific segment of DNA, which can then be studied in greater detail.

## Metrohm940 Ion Chromatography

A high-end ion chromatograph for research applications and sophisticated method development. Multiple detectors can be selected to run in parallel. (conductivity, UV/VIS, and hyphenated high-end mass detectors)

## GE AKTA pure FPLC

The GE Fast Protein Liquid Chromatograph (FPLC) is a chromatography system designed for flexible, reliable, and intuitive purification of proteins.

## Shimadzu Nexera-I HPLC

For the separation of biomolecules. It includes a touch screen display with easy, intuitive system control, built-in degassing, quaternary solvent delivery, autosampler, and enhanced quantitative performance.  The system includes a Refractive Index Detector.

## Odyssey DLx Infrared Imager


The Odyssey DLx provides the established standard for Western blot analysis. High signal-to-noise ratios and outstanding image quality with powerful, precise laser excitation and specialized optics.

## Azure Sapphire Biomolecular Imager

The Azure Sapphire Imager is a laser scanning system with 4 lasers (488, 520, 658 and 784 nm) giving a wide range of excitation. The instrument supports long and short wavelength, near IR fluorescence, red/green/blue imaging, phosphor imaging, and chemiluminescent imaging.

## Nexcelom Cellometer Vision

Cellometer Vision is an automatic cell counter that combines bright field microscopy and fluorescence detection to determine total cell numbers, measure cell viability, and quantify GFP expression. It is an alternative to flow cytometry for cell cycle analysis.

## BioTek Cytation 5 Cell Imaging Multi-Mode Reader

The BioTek Cytation 5 is a platform that combines automated microscopy and conventional microplate detection. It collects phenotypic and quantitative data in a single experiment.

## LI-COR C-DiGit Chemiluminescence Western Blot Scanner

The LI-COR C-DiGit Western Blot Scanner offers chemiluminescent Western blot imaging without film. It develops film-quality images without the hassle and expense of film development.

## Agilent Seahorse XFe96 Analyzer

The Seahorse XFe96 Analyzers measure the oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) of live cells in a 96-well plate format.

## Agilent xCELLigence Real-Time Cell Analysis DP

The xCELLigence continuously measures cell invasion and migration (CIM) and monitors cell health, behavior, and function using label-free cellular impedance. DP model can run up to three separate electronic 16-well plates.

## SpectraMax® iD3 Multi-Mode Microplate Readers

The iD3 Multi-Mode Microplate Reader measures absorbance, fluorescence, and luminescence.

## GENESYS™ 50 UV-Vis Spectrophotometers

This GENESYS 50 uses a xenon light source to cover the ultraviolet through visible light range. It has easy to use software with many predefine protocols including an OD600 method for cell concentration studies.

## Nanotemper Tycho NT.6

The Tycho NT.6 can be used to study the stability of protein samples in different buffers and to verify protein quality by looking at the structural integrity (or foldedness) of a protein.

## Thermo Scientific Nicolet 380 FT-IR

The Nicolet 380 FT-IR spectrometer is used to obtain an infrared spectrum of absorption or emission of a solid, liquid, or gas. Nicolet 380 is a reliable, easy-to-use system that helps identify, quantify and verify samples.

## Jasco J-1100 Circular Dichroism spectrophotometer

The J-1100 CD is specifically designed for high sensitivity measurements in the near- and far-UV regions, for scientists who need confidence in data from characterization studies of biomolecule structure, function, and stability under a wide variety of experimental conditions. The wavelength range is from 180 to 600 nm.

## Jasco P-2000 Polarimeter

The P-2000 polarimeter measures the optical rotation of optically active substances. It provides a single Tungsten source and two wavelengths (589 or 365nm) as well as two cell aperture sizes:  3mm for 1ml volumes and 8mm for 10ml volume.

## Promega GloMax 96 Microplate Luminometer

The GloMax luminometer provides superior sensitivity and dynamic range for both strong and weak bioluminescence experimental samples as well as seamless integration with Promega bioluminescence assays, including gene reporter, cell-based and biochemical assays.

## POLARstar OPTIMA microplate reader

Optima plate reader offers all the features of the FLUOstar OPTIMA plus Fluorescence Polarization and a unique simultaneous dual emission detection system, which allows the detection of two emitted wavelengths at the same time.

## Nikon ECLIPSE Ti2 inverted microscope

The Nikon inverted microscope includes 4 lasers for confocal imaging (405nm, 488nm, 561nm, and 640nm) and vastly expanded spectral capabilities with the ability to capture and unmix data acquired at any channel resolution across the entire detector bandwidth.

## Nikon ECLIPSE E600 Upright microscope

Nikon's Eclipse E600 research microscope is equipped with the revolutionary CFI60 infinity optical system, providing bright, sharp, crisp and clear images in all applications.

## Thermo EVOS M7000 microscope

The EVOS M7000 microscope is a fully automated imaging system, incorporating both monochrome and color high-resolution CMOS cameras for the best of both fluorescent and colorimetric imaging.

## Beckman Avanti-J-E high-speed centrifuge

The Beckman Coulter Avanti-J-E high-speed centrifuge comes with three fixed angle rotors:

- JA-10: 6 x 500 and 250ml, 10,000rpm,
- JA-20.1: 32 x 15ml, 20,000rpm
- JA-20: 8 x 50ml, 20,000 rpm

## Beckman Optima MAX-TL Ultracentrifuge

The Optima MAX-TL tabletop ultracentrifuge can run up to 120,000 RPM in 1000-RPM increments for a variety of application. It holds micro tubes (from 0.25ml up to 13.5 ml).

## Thermo Multifuge X3R Benchtop Refrigerated Centrifuge

The refrigerated X3R centrifuge is meant to separate materials of different density or particle size in a liquid by generation of Relative Centrifugal Force.

## Beckman Optima™ L-100 XP ultracentrifuge

The Optima L-XP utilizes the most advanced materials and technology to achieve the high performance needed - up to 100,000 rpm - for extending the boundaries of research.

## Bruker Avance-III 300MHz NMR Spectrometer

The 300 MHz two-channel Avance III Nanobay NMR spectrometer with a 24-position sample changer, and a 5mm room temperature SmartProbe. The broadband channel is tunable from 15N to 19F under full automation. One- and two-dimensional NMR experiments can also be acquired under full automation.

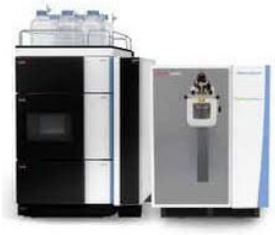
## Leica Cryostat CM3050 S

Used for sectioning frozen tissue samples in research and clinical settings. It offers precision, versatility, and safety features to ensure accurate and efficient specimen preparation.

## Lonza 4D Nucleofector


used a specific combination of optimized electrical parameters and cell type-specific solutions which enables transfer of a molecule directly into the cells' nucleus.

## Thermo Orbitrap Exploris 240 LC/MS System



Offers high sensitivity, resolution, and dynamic range, making it ideal for both targeted and untargeted analyses in fields such as metabolomics, proteomics, and drug discovery.

## Agilent 6470B Triple Quadrupole LC/MS System

Used for the detection, identification, and quantification of molecules in complex samples. It combines high sensitivity and selectivity with the ability to analyze multiple reaction monitoring (MRM) transitions, making it suitable for a wide range of applications.

## Nanotemper Microscale Monolith X

The Monolith system's fluorescence-based detection accurately assesses biomolecular interactions, employing MicroScale Thermophoresis (MST) to measure binding affinities, kinetics, and thermodynamics.