

Quantity/Type

- 100 HPLC systems (Agilent 1100–1200 series, Shimadzu LC-2010 CHT, Waters 2695); HPIC systems (Dionex ICS-2500); UPLC systems (Waters Acquity H-Class, Shimadzu Prominence UFLC) Services include refractive index, UV, fluorescence, CAD, conductivity, and diode-array detection
- LC/MS Agilent 6530 Accurate Mass Q-TOF, Equipped with Jet Stream Focusing, ESI and APCI for MS and MS/MS Analyses
- GC/MS Agilent 6890 with 5975 MSD, Agilent 7890 with 5977 MSD
- 10 GC systems (Perkin Elmer Clarus and Agilent 6890 and 7890's) Services include capillary and packed column, static headspace, direct injection, FID, and TCD
- 4 UV/VIS Spectrophotometers
- Dissolution Baths (USP Apparatus I, II, III)
- 32 Manual sampling
- 8 Automated sampling

Other Analytical Equipment/Services

- TLC (with photo documentation)
- FTIR, Near-IR
- Titrations (colorimetric and potentiometric)
- pH
- Karl Fischer (oven, homogenizing, blending, volumetric, and coulometric)
- Atomic Absorption (AA) — Flame, Graphite Furnace, and Cold Vapor
- Atomic Emission (AE)
- Inductively Coupled Plasma (ICP/MS and ICD/OES)
- Viscometer, Polarimeter, Refractometer, Osmometer, Fluorometer
- TOC
- Laser Diffraction Particle Size (Malvern Mastersizer 3000 and Mastersizer S)
- Air Jet Sieve (Hosokawa)
- TGA-Thermogravimetric Analysis (TA Instruments)
- DSC-Differential Scanning Calorimetry (TA Instruments)
- Olympus Polarized Microscope with Digital Camera
- Melting Range
- Disintegration Apparatus (Agilent 100)

Metrics, Inc. Stability Program

Chambers available (current):

5°C		30°C/65%RH
40°C<25% RH	Photostability (ICH Light Conditions)	30°C/75%RH
40°C/75% RH	-20°C	50°C
25°C/60% RH	-80°C	60°C

Microbiological Equipment/Services

- Sterility Testing (Millipore Steritest Equinox) per USP <71>
- Bacterial Endotoxin Testing (Pyros Kinetix Turbidimetric System and Gel-Clot) per USP <85>
- Particulate Matter (Light Obscuration (HIAC) and Optical Microscopy) per USP <788> & <789>
- Water Testing (Milliflex PumpSystem)
- Microbial Enumeration Tests and Tests for Specified Microorganisms per Harmonised USP <61> and <62>
- Antimicrobial Effectiveness per USP<51>
- Antibiotic Assay (Cylinder Plate Analysis) per USP <81>
- Water Activity Testing (AquaLab 4TEV)