

SEQENS'Lab

Seqens'Lab Analytical Excellence Instrumentation List

SEPARATION SCIENCE

HPLCs & UPLCs Waters / Agilent / Shimadzu / Thermo-Dionex / Merck-Hitachi	60	GC with liquid and Head-Space auto-sampler, Agilent, Shimadzu and Perkin-Elmer	18
Detectors		Injectors	
Ultraviolet (UV)	22	Head-Space Injector Split/Splitless	8
Refractive index (RI)	2	Liquid Injector Split/Splitless	11
Photodiode Array (PDA)	34	Liquid Injector PTV	1
Conductivity detector (CD)	2	Detectors	
Evaporative Light Scattering (ELSD)	1	Katharometer (TCD)	1
Charged Aerosol (CAD)	1	Flame ionization (FID)	14
Mass Single and Triple Quad	2	Mass Single Quad (Electronic Impact & Chemical Ionization)	2
Mass QTOF	1	Mass Triple Quad (Electronic Impact & Chemical Ionization)	1
Semi-preparative chromatography	1		
Flash-Chromatography	1		

SPECTROSCOPY

Bruker NMR 400 MHz	1
Perkin-Elmer Fourier Transform Infrared Spectrophotometer	1
Agilent UV/VIS Spectrophotometer	1

MICROANALYSIS

Volumetric Karl Fischer System	5
Coulometric Karl Fischer System with Head Space autosampler	2
Automatic Titrators	5
Moisture balance	2



PHYSICAL CHARACTERIZATION

X-Ray Powder Diffraction (XRPD) Malvern-Panalytical Empyrean	1	Scanning Electron Microscopy (SEM)	1
Particle Size Analyzer (LDPSP) Malvern-Panalytical Mastersizer 3000	1	Hot stage microscopy	1
Morpho-analyzer Malvern-Panalytical Morpho M4 ID	1	DSC Mettler	1
Air jet Siever Hosakawa Alpine	1	TGA Mettler	1
Dynamic Light Scattering (DLS) Malvern-Panalytical Zetasizer Pro Red	1	Melting point Mettler	1
Specific Surface Area (BET)	1	Polarimeter	1
Dynamic vapor sorption (DVS)	1	Refractometer (liquid and powder)	2
Light Microscopy	4	Densimeter	1
Raman Microscopy Malvern-Panalytical	1	Rotational Viscometers	3
		Rheometer	1
		Turbidimeter	1
		Osmometer	1
		Flash point	1

PROCESS SAFETY ASSESSMENT

Calorimeter C-80	2
Adiabatic calorimeter Phitec	1
DSC Mettler and TA-Instrument	3
TGA Metter and TA-Instrument	2

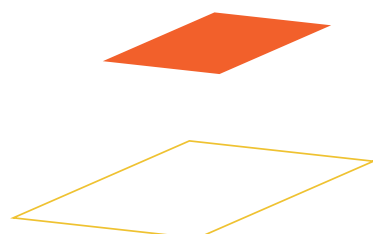
PROCESS ANALYTICAL TECHNOLOGY

FTIR probe	2
Blaze Probe	1

STABILITY STORAGE, MORE THAN 2 000 M3 OF ICH STORAGE

25°C ± 2°C/60% RH ± 5% RH	250 m3
30°C ± 2°C/65% RH ± 5% RH	125 m3
40°C ± 2°C/75% RH ± 5% RH	125 m3
20°C ± 5°C	1000 m3
5°C ± 3°C	500 m3
- 20°C ± 5°C	10 m3
- 80°C ± 5°C	10 m3
Cycling (-25 up to +60°C; 25 up to 90 %HR) – 1 unit	2 m3
Photostability (regulation on lux and temperature)	1 m3

NEW
MID 2021



CONTACT
connect.cdmo@seqens.com

WWW.SEQENS.COM

SEQENS
R&D SERVICES