



QUINTA



ANALYTICA

Key Equipment Overview

QUINTA-ANALYTICA s.r.o., Pražská 1486/18c, Praha 10 – Hostivař, 10200 Czech Republic

Quality Control

GMP certified

- 40 HPLC – Waters, 4 HPLC – Agilent, 2 UPLC - Waters
- TLC system – VideoStore, VideoScan – Camag
- GC/Headspace – Agilent/CTC CombiPal
- 2 Ion chromatograph – Dionex
- ICP/MS - Agilent 7800
- 15 Dissolution off-line – VanKel, Agilent, Sotax testers
- 2 Dissolution on-line – 2 Hanson testers with 2 HPLC - Waters
- 4 UV/VIS – Varian (flow cell), Shimadzu
- FT/IR – Nicolet, Polarimeter – Perkin-Elmer
- Particle Sizer - laser – MS 3000, Malvern
- Particle Counter - optical – PSS-NiComp
- Microscope/image analysis – Olympus
- Friabilator, Hardness Tester, Disintegrator – VanKel
- 8 Titration (6 assay, 2 KF) – Mettler, MetrOhm, Melting point - Buchi

Research & Development

- HPLC/UHPLC with UV/VIS, FLD, ELSD and RI detection - Waters, Agilent
- GC/FID, GC/MS (quadrupole) with liquid injection, static and dynamic headspace injection, PTV injection, on column injection; EI, CI ionization - Agilent, /CTC CombiPal
- (U)HPLC/MSn , flow injection MS; Ionization methods: ESI(HESI), APCI, APPI mass analyzers: linear ion trap, QQQ, Orbitrap - Thermo
- ICP/MS – Agilent 7800
- Dissolution - VanKel, Agilent
- UV/VIS spectroscopy with static or flow-through cell - Varian, Shimadzu
- IR spectroscopy-diffuse reflectance, ATR - Nicolet
- Particle Size Distribution (PSD) – LASER diffraction, microscopy image analysis, sieving - Malvern MS 3000
- Ion chromatography with conductivity, UV/VIS, amperometric and MS detection –Dionex ICS-3000
- TLC with automatic spotting and UV/VIS detection with a CCD camera and quantification software – Camag
- Titration – Mettler, MetrOhm
- Next Generation Impactor (NGI) – Copley scientific



Bioanalytical Lab

(GLP & GCP certified)

- LC/MS /MS equipment
 - › TSQ Altis (two-channel UHPLC, sensitivity up to 100 fg/mL of plasma)
 - › 3 TSQ Quantiva (all with two-channel HPLC)
 - › 4 TSQ Vantage (2 with two-channel HPLC)
 - › TSQ Quantum
 - › Capacity up to 3750 analytical runs per day

Biopharmaceutical Lab

(GMP & GLP & GCP certified)

- LTQ-FT OrbiTrap with Accela UPLC
- Acquity UPLC (Waters),
- Gel electrophoresis Bio RAD ,
- Western blot (Bio-Rad),
- ELISA reader (Biotek),
- Capillary electrophoresis (ABI Sciex)
- Amino acid Analyzer (Sykam)



Stability Studies

(Compliant with ICH guidelines)

- Stability Cabinets – temperature/humidity/light exposure testing
- Stability Chambers - 25°C/60%; 30°C/65%; 30°C/75%, 40°C/75%, 5°C and others

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