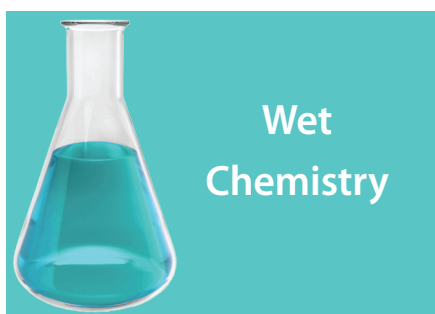


chemistry programs

From incoming material screening to lot release testing, WuXi AppTec offers a wide range of chemical testing programs for assessing the safety of medical device materials and manufacturing processing aids.



- Gluteraldehyde Residues
- Conductivity
- Karl Fischer Moisture
- Osmolality
- USP 381 Physicochemical
- Protein Assay
- TOC
- Hemoglobin
- Carbohydrate



- EO Residual Panels
- EO Exhaustive Analysis
- EO Residuals
- ECH, EG Residuals
- Qualitative Screening
- Targeted Quantitation
- Comprehensive Quantitation
- Materials Characterization
- Extractable Analysis
- Leachable Analysis
- Failure Analysis
- Vendor Comparisons



- SEM-EDS
- TGA
- DSC
- Viscosity
- Specific Gravity
- Melting Point
- Boiling Point
- Flash Point
- Residue on Ignition
- Moisture

Talk to us and find out how our chemistry programs can work for you.

Contact a WuXi AppTec Account Manager at 651-675-2000 or email: info@wuxiapptec.com



featured equipment/instruments

ICPMS

Perkin Elmer NexION 300D: Analysis of over 60 metals down to ppb (part per billion)/ppt (part per trillion) levels. Microwave Digestion capabilities (CEM Explorer/Discoverer) for digestion of solids.

AA

Perkin Elmer AAnalyst 200: Evaluation of the concentration of a particular element in a test sample.

UPLC-QTOF-MS

Agilent 1290 UPLC with Agilent 6530 QTOF MS: Analysis of semi-volatile and non-volatile compounds to pq (picogram) quantitation levels or lower. Mass accurate identification of unknowns.

HPLC-DAD and RI

Agilent 1200 HPLC with DAD and RI detectors. Targeted semi-volatile and non-volatile analysis.

HPLC-MS

Dionex Surveyor MSQ HPLC-MS system. Targeted semi-volatile and non-volatile analysis.

HS-GC-FID/MS and DI-GC-FID/MS

Agilent 6890 with Headspace Autosampler, Direct Inject Autosampler and 5973 (EI) Mass Spec (MS) and Flame Ionization (FID) detectors. Analysis of volatile and semi-volatiles (targeted quantitation and unknown identification).

Direct Inject GCMS

Agilent 7890 with Direct Inject Autosampler and 5975 (EI/CI) Mass Spec Detector. Analysis of volatile and semi-volatiles (targeted quantitation and unknown identification).

IC

Dionex ICS 2100 Ion Chromatography System. Analysis of anions, cations, small inorganic and organic acids.

DSC

TA Instruments Q20. Glass transition, melting, and crystallization temperatures. Thermograms can give information about degree of polymerization / additives, purity, polymorphs, material identification

TGA

TA Instruments Q5000. Loss of water/solvent (nonspecific), absorbed moisture, decomposition temperature.

Microscopic FTIR

Nicolet iS10 with Continuum Microscope. Qualitative material identification of materials and particulates as small as 10 micron. Identification and quantitation of impurities and contaminants.

SEM-EDS

Tescan Vega 3 Variable Pressure SEM with Oxford Aztec EDS System. Imaging, and qualitative and quantitative elemental analysis.

Particle Count

Hach HIAC. USP<788>, subvisible particle analysis 2- 150 micron.

Spectrophotometer

Agilent 8453. UV/VIS scans, colorimetric analysis.



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