



Biochemistry

Lancaster Laboratories offers a comprehensive range of services to support biopharmaceutical development from routine testing to the complete characterization of proteins, monoclonal antibodies, nucleic acids and complex carbohydrates. Our Biochemistry services are backed by an outstanding scientific approach to problem-solving and extensive expertise in Method Development and Method Validation.

Why Choose Lancaster Laboratories?

- Our newly expanded biopharmaceutical suite contains state-of-the-art instrumentation, increased capacity and the ability to offer you the most complete package of analytical techniques.
- Our Biochemistry staff offers you in-depth technical expertise with many published articles and technical presentations to their credit.
- Our 30-year history of cGMP compliance ensures you'll receive the highest quality data. We meet your global reporting needs with data that is generated in full compliance with FDA, EMEA and PMDA requirements.
- We offer you a single resource to meet all of your drug development needs, providing you with any supporting services you need such as Method Development/Validation, Biosafety, Microbiology, Stability and Raw Materials testing.

Techniques Available

- Electrophoresis
- Biospectroscopy
- Biochromatography
- Mass Spectrometry

Testing Services Available

- Potency/Quantity
- Purity/Impurity
- Characterization

Instrumentation and Facilities

Mass Spectrometers

- Thermo Scientific Accela LC/LTQ XL Ion Trap
- Thermo Scientific Accela LC/LTQ Orbitrap XL
- Thermo Scientific Accela LC/TSQ Vantage LC/MS/MS
- Applied Biosystems Voyager DE PRO MALDI-TOF
- Agilent LC-TOF
- Waters Quattro Micro LC/MS/MS
- Waters Xevo G2 TOF, H-Class UPLC

Chromatography/Electrophoresis Equipment

- Agilent/Waters/Thermo Scientific HPLCs
- Waters Acquity UPLC, H-Class UPLC
- Dionex ICS-3000 Ion Chromatograph (IC)
- Beckman ProteomeLab PA800 Ultra (CE)
- Convergent iCE 280
- HPLC Fraction Collector

Detectors

- Ultraviolet (UV)
- Refractive Index (RI)
- Fluorescence (FL)
- Photodiode Array (PDA)
- Multi-angle Light Scattering (MALS)
- Electrochemical (ECD)
- Evaporative Light Scattering (ELSD)
- Corona Charged Aerosol (CAD)
- Laser Induced Fluorescence (LIF)

Spectrophotometers

- Nano-Drop Spectrophotometer
- Jasco J-815 Spectropolarimeter
- Molecular Devices M5
- Thermo Fisher Varioskan

Discover our solutions at: LancasterLabsPharm.com

Global Services:

Biochemistry
Cell Bank Manufacturing
Facility & Process Validation
Method Development & Validation
Microbiology
Molecular & Cell Biology

Mycoplasma Services
Raw Materials Testing
Release Testing
Residuals & Impurities Testing
Stability Testing & Storage
Viral Clearance & Viral Safety

Facilities:

USA
Lancaster, PA | 717-656-2300
Portage, MI | 269-323-3366

Ireland
Dungarvan Co. Waterford | 00 353 (0) 58 48300