

Expert Analytical Solutions

Fore**sight** for success



Almac employs over 700 highly skilled analytical scientists across five global locations working in regulatory-approved GMP laboratories.

With 55+ years of experience, our expert teams develop 1,000+ analytical methods and validate 250+ methods annually. Drawing upon an extensive range of analytical technology, combined with a wealth of analytical knowledge, we can add real value to your drug development and commercialisation programs.

Within our specialised testing laboratories, we have significant experience in a wide range of analytical techniques delivered by highly skilled analytical scientists ensuring all testing is conducted with the highest level of accuracy and reliability.

Analytical solutions

We support drug substance and drug product analytics across all phases, from early pre-clinical/clinical development to commercial release:

Test articles

- Raw materials
- Drug substance / API
- Drug product
- Medical devices
- Over encapsulated drug
- Small molecule
- Conjugates
- Peptides
- Biologics
- Clinical samples
- Highly potent
- Controlled substances

Services

- Method development
- Method validation
- Method transfer
- Stability programmes
- Release analysis: all lifecycle stages
- Spectroscopy services
- Investigational analysis
- Reference standard management
- Microbiological testing
- Physical sciences
- Bio-pharmaceutical testing
- Analytical support for clinical trial supplies



Our extensive range of equipment capabilities include:

- HPLC (UV, PDA, RI, CAD, ELSD, MS and radio detection) - ion and size exclusion systems large prep scale capabilities
- UHPLC (PDA, UV and MS detection)
- GC (ECD, TCD and FID detection)
- GMP mass spectrometry (LC-MS, LC-MS/MS, 2D LC-MS, GC-MS, ICP-MS, NMR, FTIR)
- Water content (KF, moisture and water activity)
- Drug substance characterisation (XRPD, microscopy, DSC, TGA, DVS, BET, PSD, FTIR, Raman, online dissolution testing and IDR, pKa, log P/D)
- Drug product testing (Dissolution (Apparatus I & II, Sotax Robot), friability, hardness, texture, bulked/tapped density, disintegration)
- Biologics testing (electrophoresis, osmolality, chromatography, AAA, molecular biology and spectrometry)
- Microbiology (bioburden and kinetic turbidimetric/ chromogenic/ gel clot endotoxin testing)
- Stability study capabilities (ICH compliant, >300m³ GMP storage)



Scan the QR code for full equipment list

We look deeper so you don't have to:

Specialised instrumentation and techniques:

Most recently we have invested in state-of-the-art chromatography, spectroscopy, and biologics testing equipment, including the Raman TRS100 system, which allows faster assay of tablets, capsules, and other dosage forms.

Digitisation upgrade:

A multi-million-pound digitisation upgrade, including enhancements to our existing laboratory information management system (LIMS), promotes seamless information sharing across multiple teams, departments and facilities offering clients a reliable, optimised and streamlined solution.

Our people:

Our expert teams conduct continuous training and collaboration with local academia fosters talent offering our clients the very best partnership possible now, and for the future.

Ongoing investment:

Guaranteeing best-in-class services, we continue to invest in expanding our analytical labs, technology, and people. Most recently, our new lab space at our Global Headquarters site has enabled us to increase capacity, with additional upgrades featuring across all our sites.

Why choose Almac?

- **Highly experienced and dedicated teams:**
Our teams bring a wealth of experience and dedication, ensuring expert solutions for every project.
- **Industry leading project management:**
We excel in project management, setting high standards for efficiency and effectiveness.
- **Flexibility to meet your growing needs:**
Our flexible approach allows us to adapt and meet your evolving requirements seamlessly.
- **Reputation for quality:**
We are a quality-driven organisation and make the commitment to our clients, large and small, to deliver high-quality results every time.
- **Results driven:**
Our focus is on achieving tangible, impactful results that drive the success of your product.
- **Collaborative partnership:**
We believe in building strong, collaborative partnerships to achieve the mutual goal of drug development and commercial success.
- **Continual investment in our people, facilities, capabilities, and technology:**
We continuously invest in our team, infrastructure, and technology to stay at the forefront of innovation and capability.



Scan the QR code to learn more about our analytical offering

almacgroup.com

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