



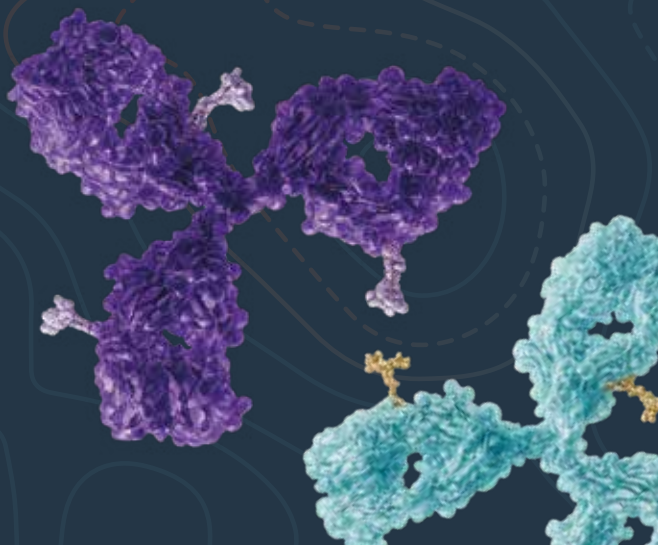
# ADC & XDC Development, from Chemistry to Clinic

Specialist expertise across small molecules,  
biologics and complex conjugates

Antibody-drug conjugates (ADCs) and emerging XDC modalities combine the selectivity of biologics with the potency of small molecules, creating highly complex development and manufacturing challenges. Successful programs require tight control over chemistry, conjugation, analytics and regulatory readiness from the earliest stages.

Ardena provides integrated ADC, XDC and conjugation services, combining linker and payload chemistry, bioconjugation, clinical manufacturing and GLP bioanalysis within one coordinated network. Our teams support programs from early development through late clinical stages, with a strong focus on robust processes, reproducibility and data quality.

ARDENA



# ADC & XDC End-to-End Support

## Linker and Payload Chemistry

- Experience with broad range of cleavable and non-cleavable linkers
- Payload handling and synthesis up to OEL >0.01 µg/m<sup>3</sup>
- Route scouting, process & analytical development, scale-up and GMP manufacturing starting from a single gram
- Structural characterisation and impurity profiling



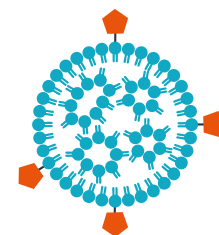
## Conjugation Chemistry

- Wide variety of drug conjugates, such as antibody-drug conjugates (ADCs), polymer-drug conjugates, oligo-drug conjugates and nanoparticle-drug conjugates
- Experience with established and emerging conjugation chemistries
- Process optimisation to control drug-to-antibody ratio (DAR), conjugation heterogeneity, yield and robustness
- Tangential flow filtration (TFF), chromatographic purification, 0.2 µm filtration



## Clinical Manufacturing and Regulatory Support

- GMP clinical manufacturing of ADCs and XDCs
- Aseptic fill-finish and lyophilisation
- Stability studies and release testing
- CMC documentation to support regulatory submissions



## GLP Bioanalysis and Biomarkers

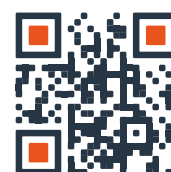
- Quantification of total antibody, ADC, conjugated and free payload
- Immunogenicity: ADA and neutralizing antibody assays
- LC-MS/MS, ligand-binding and flow cytometry analytical platforms



Advance your ADC or XDC program with Ardena  
Get in touch with our scientific team today

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