

SAFC®

Pharma & Biopharma Raw
Material Solutions

MILLIPORE SIGMA



ADC Express™

Conjugation Services for the
Best Candidate Selection

Speeding your path to the clinic with ADC Express™

As an industry leading Contract Development and Manufacturing Organization (CDMO) in the antibody-drug conjugate (ADC) space, we are offering a rapid approach for developing your ADC constructs. By using our extensive bioconjugation expertise, we can reduce your time to produce development-grade constructs for target molecule identification. We will leverage our established platform technology to efficiently turn antibody, linker, and payload into an ADC.

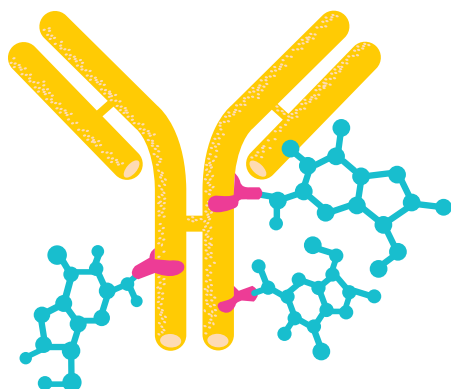
Why choose ADC Express™?

Speed to selection:

- Rapid production of multiple ADC constructs for screening in the discovery phase
- Our platform technology increases the efficiency of target molecule identification

Speed to clinic:

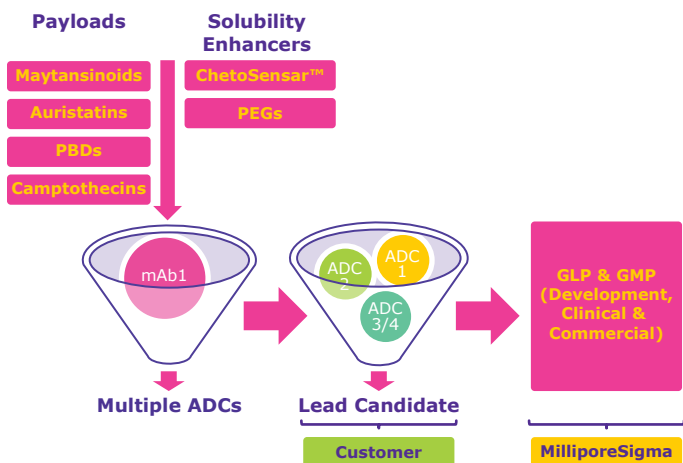
- Rely on our expertise to scale-up your target molecule
- Benefit from an established partner offering comprehensive services for GLP and GMP production
- Supply chain consolidation gives you comprehensive ADC services within one organization



ADC Express™ Features

- Mini-prep scale: 10–20 mg ADC construct
- Medium-prep scale: up to 100 mg ADC construct
- Certificate of testing with key quality attributes
 - ADC concentration
 - Payload density/DAR (drug-to-antibody ratio)
 - Monomer/aggregate content
 - Endotoxin

How does ADC Express™ work?



We offer a library of popular linker/payload options that can be combined with PEGs or ChetoSensar™ technology to rapidly produce multiple ADC constructs from a single mAb.

Comprehensive Solutions for Your ADC

We offer comprehensive supply chain reliability from discovery to commercialization of your ADC. This includes coordinated and collaborative services for the development, manufacturing, and testing of bulk drug substance and drug product. We offer a full range of services needed for ADCs:

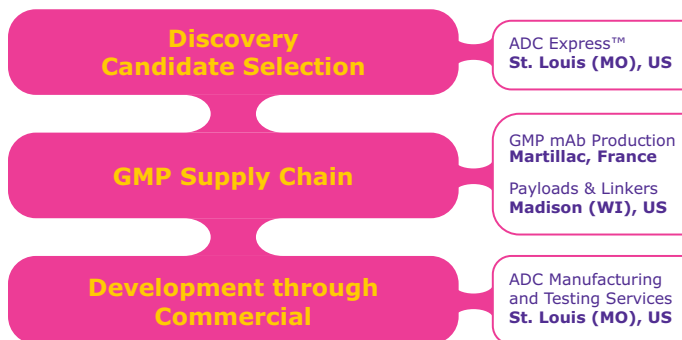
- Biopharmaceutical process development services and clinical supplies for monoclonal antibodies
- Linker, payload, conjugation development, and manufacturing services
- Technology transfer, analytical method development, and validation
- Stability studies for bulk drug substance and drug product

ADC Conjugation and Manufacturing

With over 35 years of industry-leading experience in conjugation, we have the expertise needed to develop and deliver your bioconjugate or ADC. Our purpose-built manufacturing facilities are designed for the handling of HPAPIs, antibodies, linkers, and for performing complex bioconjugation processes.

- Safebridge® Cat. IV certified facility in St. Louis (MO), US with Grade C classified clean room environment
- Personnel and suites dedicated to ADC development, manufacturing, and testing
- Extensive analytical capabilities for characterization, including mass spectrometry, and cell-based assays
- Release testing and stability for both Bulk Drug Substance (BDS) and Drug Product (DP)
- Ability to manufacture batches up to 600 L/3 kg under Grade C classification either with multi-use or single-use equipment
- Segregated areas for potent solids handling, conjugation, and aseptic bulk filling
- Experience with >65 constructs, >600 development batches, >30 INDs, and >180 cGMP batches (>40 batches for commercial use)
- Random cysteine or lysine conjugation technology
- Site-directed conjugation via engineered mAbs or enzyme-catalyzed
- Alternate scaffolds & non-potent bioconjugates

ADC Contract Development & Manufacturing Footprint



Payloads and Linkers

Customers can choose from a library of linker/payloads to produce ADCs. Payloads will include, but not be limited to:

- Maytansines
- Auristatins
- Pyrrolobenzodiazepine (PBD) dimers
- Camptothecin (CPT)

With ADC Express™ we will screen and provide an assessment about best construct options.

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

For additional information please visit [SigmaAldrich.com/services/contract-manufacturing/adc-bioconjugation](https://www.sigmaaldrich.com/services/contract-manufacturing/adc-bioconjugation)

To place an order or receive technical assistance, please visit [SigmaAldrich.com/services/contact-sa-fc](https://www.sigmaaldrich.com/services/contact-sa-fc)

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MilliporeSigma
400 Summit Drive
Burlington, MA 01803

www.sigmaaldrich.com

