

One-Stop solution for ADC Manufacturing

Fujifilm's ADC-CDMO Services



Overcoming the Complexity of Antibody-Drug Conjugate (ADC) Development

ADC development is complex, fragmented, and risk-intensive.
Choosing the right CDMO directly impacts speed, cost, and long-term success.

Are you struggling with any of these issues?

Challenge 1

Fragmented Outsourcing
Slows Progress

Managing multiple CDMOs
leads to delays, misalignment,
and rework.

Challenge 2

Technology Transfer
Bottlenecks

Distance, language, and
differing quality systems
prolong timelines.

Challenge 3

Stringent Quality
Requirements

Handling HPAPIs and complex
analytics demands
specialized expertise.

Challenge 4

Global Coordination
Challenges

Time zones and business
practices complicate
execution.

Intermediate
Manufacturing
(Antibodies, Linkers, Payloads)



ADC API
Manufacturing
(Conjugation, Purification)



ADC Formulation
Manufacturing
(Aseptic filling, freeze-drying, filling)



Why Fujifilm? From antibody production to aseptic filling and lyophilization —we provide a seamless, One-Stop solution.

Value Proposition 1

We provide a comprehensive CDMO service covering all key ADC processes, from antibody production to aseptic filling and lyophilization.

Value Proposition 2

We facilitate seamless technology transfer using expert synthesis, analysis, and process development, backed by on-site support from our researchers.

Value Proposition 3

Through collaboration with FUJIFILM Biotechnologies, a recognized CDMO leader, we ensure quality that meets global standards.

Value Proposition 4

Centralizing manufacturing in Japan reduces geopolitical and supply chain risks, ensuring stable development and production.



End-to-End ADC Development & Manufacturing Service

A fully integrated platform—from early-stage development to commercial supply.

ADC Development



- ① Support for ADC Design (Acquisition and Selection of Antibody Candidates)
- ② Assistance with ADC Synthesis and Analysis (Preparation and Evaluation of ADCs)
- ③ In Vitro Assessment (Plasma Stability and Pharmacological Activity Testing)
- ④ In Vivo Assessment (Pharmacokinetics and Safety Studies)

ADC Manufacturing



- ① Cell line Development
- ② Process / Analytical / Formulation Development
- ③ cGMP Manufacturing
2 x 2,000 L / 2 x 5,000 L

- ① Process / Analytical / Formulation Development
- ② cGMP Manufacturing (Category 6 compliant)
10–800 L, preparative HPLC system
- ③ Advanced Purification and Analytics
Support for Complex Reactions

- ① Process / Analytical / Formulation Development
Process Optimization (DAR Distribution Control)
- ② cGMP Manufacturing
100 L, 500 L Conjugation Reactor
Chromatography, TFF, Bulk Filling

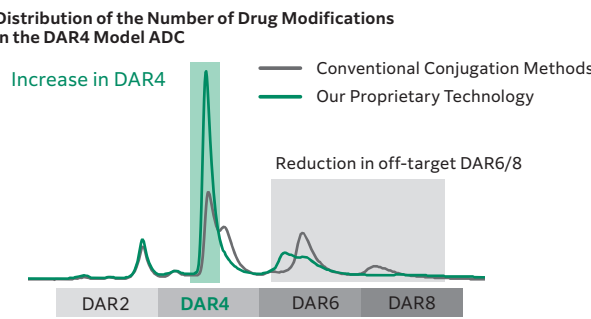
- ① Formulation Development
- ② Process Development for Lyophilization
- ③ cGMP Manufacturing
Vial Filling: 50 vials/min (5–200 L)
Lyophilization : 13,728 vials/batch (ISO 10R)

Differentiated Conjugation Technology for High-Quality ADCs

Our proprietary conjugation technology enables precise control of DAR
—driving superior efficacy, safety, and consistency.

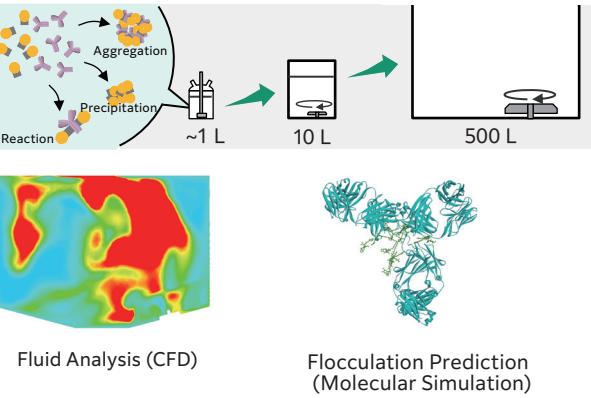
Synthesis Technology

We have proprietary conjugation technology (patent pending) that accurately controls the DAR, ensuring ADC quality, efficacy, and safety.



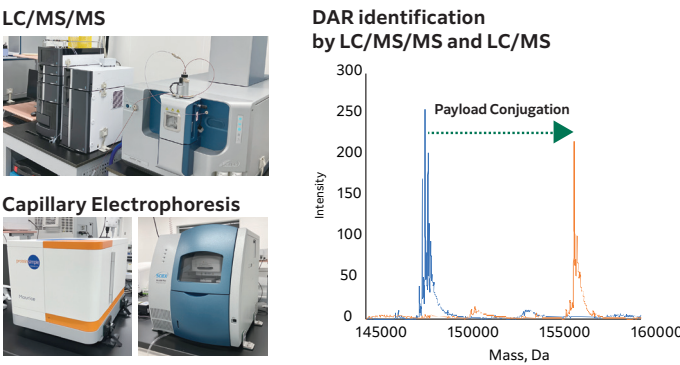
Process Technology

We leverage advanced modeling to predict reaction kinetics, fluid dynamics, and aggregation behavior to overcome ADC conjugation scale-up challenges, aiding in designing reliable and consistent conditions.



Analytical Technology

We conduct ADC quality control testing in accordance with cGMP standards and provide characterization analysis to assess equivalence and homogeneity.



Root Cause Analysis

In-house experts offer direct support during technology transfer to ensure smooth ramp-up, while Root Cause Analysis helps identify and resolve root causes early.

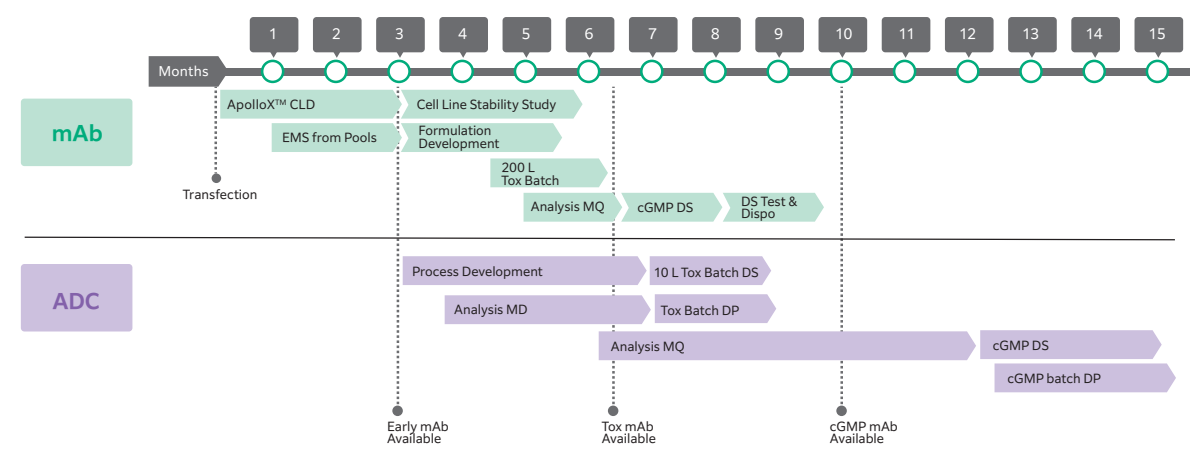
Collaboration with External Partners

To enhance our ADC technology, we are further strengthening our partnership with VALANX Biotech, which specializes in precise antibody site conjugation.

*VALANX created "Golden Site Technology"™ to add conjugation sites on antibodies, improving ADCs' uniformity and stability.

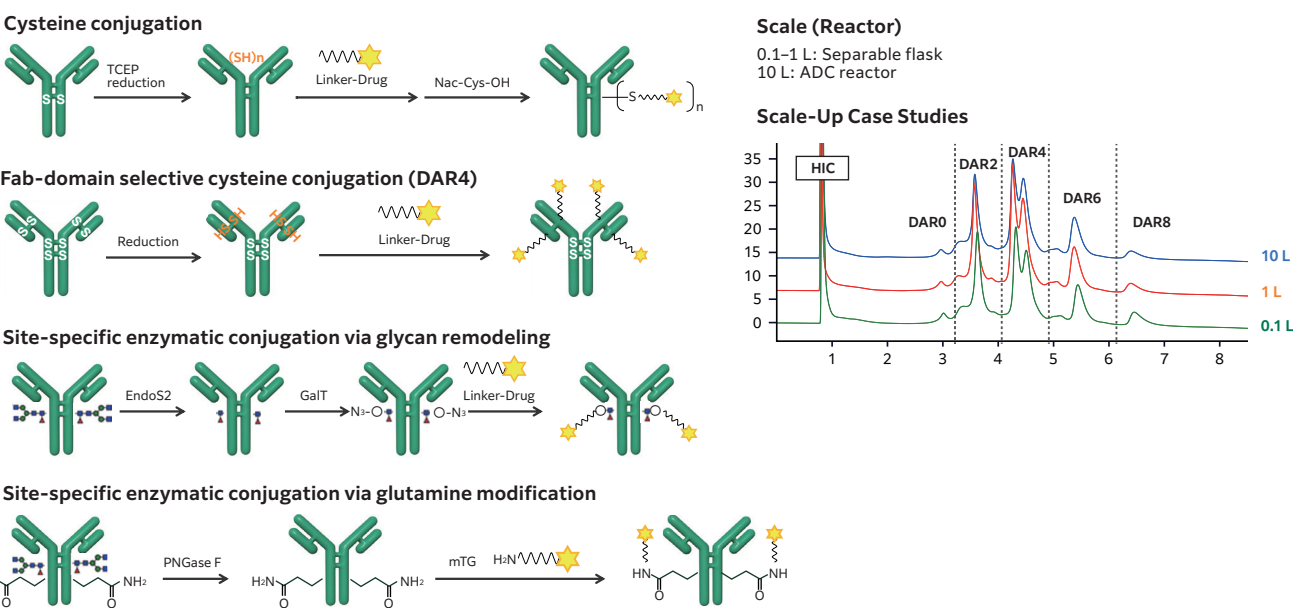
ADC Development and Contract Manufacturing Workflow

Through a workflow that integrates mAb manufacturing and ADC conjugation, we efficiently and consistently advance the process from antibody production cell line development to ADC DP release. Our End-to-End system minimizes losses between processes and helps to shorten development lead times.



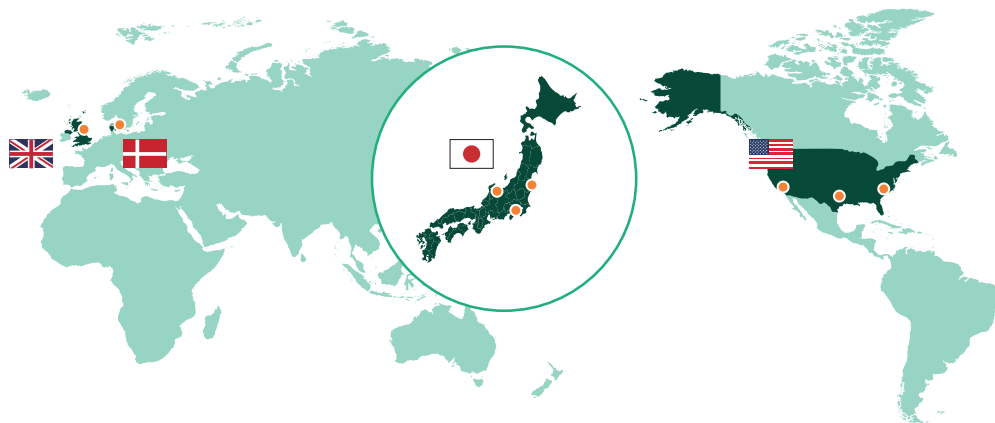
Fujifilm's ADC Manufacturing Track Record

We have a proven track record in manufacturing model ADCs using various conjugation methods and have accumulated data and insights for scale-up.



Integrated ADC-CDMO Platform in Japan, Backed by Global Expertise

We deliver fully integrated ADC development and manufacturing within Japan—supported by the global CDMO expertise of FUJIFILM Biotechnologies



Antibody production,
conjugation, aseptic filling,
and lyophilization

FUJIFILM
Toyama Chemical
Toyama Plant



A single-site, single-quality-system model ensures
faster decision-making, reduced risk, and consistent
execution.

Linker and Payload
Manufacturing

FUJIFILM
Wako Chemical
Hirono Plant



Precise control of raw material quality minimizes risk
and ensures reproducibility in ADC manufacturing.

Research and Development

FUJIFILM Corporation
Bioscience &
Engineering Laboratories



Our experts in synthesis, analytics, and process
engineering accelerate development and enable smooth
technology transfer.

Manufacturing and Quality
Support

FUJIFILM Biotechnologies
(U.S., U.K., Denmark)



Leveraging proven CDMO expertise in the U.S. and
Europe, we deliver globally compliant quality—while
maintaining Japan-based operations.

Related Websites

FUJIFILM
Toyama Chemical
Official Site
ADC-CDMO Page
(Only in Japanese)



LinkedIn
FUJIFILM
Toyama Chemical
CDMO Business



FUJIFILM

●For inquiries regarding this product

FUJIFILM Toyama Chemical Co., Ltd.

Kanematsu Building, 2-14-1 Kyobashi, Chuo-ku, Tokyo 104-0031, Japan

<https://www.fujifilm.com/fftc/en>