

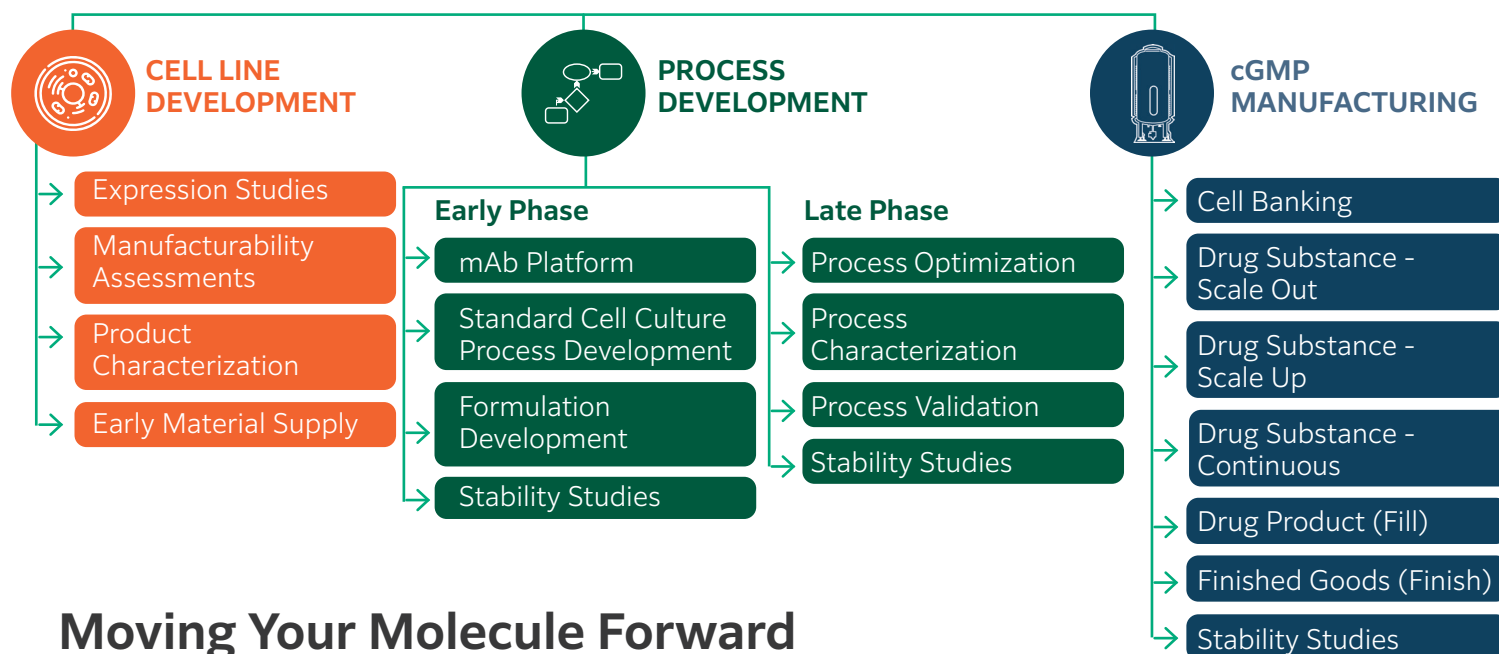
# CELL CULTURE SERVICES

An abstract, colorful molecular structure composed of numerous small, interconnected spheres in shades of red, orange, yellow, green, and purple. The structure is complex and branching, resembling a protein or a large molecule. It is set against a blurred background with soft gradients of green, blue, and pink. The overall image has a scientific and artistic feel.

# Your Cell Culture CDMO Partner for Life

FUJIFILM Biotechnologies is a leading provider of cell culture services for biologics, advancing and delivering life changing therapies. We offer complete solutions for cell line development, process development, late phase activities, clinical and commercial manufacturing of a wide variety of biopharmaceuticals.

## Early Manufacturability Assessments, Complete cGMP Solutions, and Everything in Between



## Moving Your Molecule Forward

### Manufacturability Assessments

We can assess your candidate molecules and help you select your lead mAb candidate based on predicted suitability for manufacture.

### Mammalian Cell Line Development with Apollo™X

Apollo™X is a robust, highly versatile mammalian expression system, designed for quality and speed of delivery of monoclonal antibodies and a diverse range of CHO-expressed molecules, including bispecific antibody formats and Fc-fusion proteins.

### Insect Cell Culture

We have unsurpassed expertise in insect cell expression systems and are a licensed manufacturer of a commercially approved baculovirus-expressed product.

### Process Development

Partner with us to develop scalable production processes that will express your target molecules efficiently with long-term commercial production in sight.

### mAb Platform

Our high-yielding, fully single-use mAb platform offers a prompt start with off-the-shelf consumables, platform process and analytical methods.

### Formulation Development

We offer liquid and lyophilization formulation development services, and provide approval-ready drug substance and drug product formulations with forethought to manufacturability, within rapid timelines.

### Process Characterization and Validation

We work with you to deliver effective control strategies that ensure manufacturing processes are capable of sustained delivery over the life cycle of your molecule.

### cGMP Production

Globally integrated, world-class biomanufacturing with flexibility and capacity to meet your needs in easily accessible locations across the United States and Europe.

## We present options and can help you select a strategy that works best for you

### Scale Up

- Multiple 20,000 L bioreactors
- Efficiency of scale
- Ideal for high-volume products
- Established large-scale facility with 16 years of approved programs
- More than 1,000K L capacity beyond 2026

### Scale Out

- Multiple 2,000 L bioreactors
- Ideal for lower volume products such as some bispecific antibodies
- Agility to adapt to uncertain demands
- Options for leveraging our mAb platform
- Option for multiplexing (2 x 2,000 L)

### Continuous

- MaruX™ is a full scale, fully integrated mAb continuous processing platform
- Proven to generate >15 kg of purified antibody in a 30-day run at 500 L scale
- Improved production efficiencies
- Flexibility and potential to deliver high-volume

## Global Partnership Right Where You Need Us

College Station, TX, USA

RTP, NC, USA  
Holly Springs, NC, USA

Hillerød, DK

Billingham, UK  
Wilton, UK

We offer accessibility and flexibility with convenient locations in Europe and the US.

Partners for *Life*

Contact us to discuss your science.

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