

# One Stop CDMO Services for Conjugate Products



ADC



AOC



PDC



RDC



PRC



SMDC



Lyophilized Product  
Liquid Product



Prefilled Syringe



Auto-injectors



DS DP

**Cranbury, New Jersey**  
Payload-Linker  
R&D and Manufacturing

- Payload-Linker (10-100 L, OEB 4&5)
- Bioconjugation (10 L, OEB 5, non-GMP)
- Pre-clinical to Phase II



DS DP

**Pudong, Shanghai**  
Biologics  
R&D and Manufacturing

- Antibody (200-500 L)
- Bioconjugation (10-200 L, OEB 5)
- Pre-clinical to Phase II
- Antibody (500-2,000 L)
- Bioconjugation (200-500 L, OEB 5)
- Phase II to Commercial

\*UNDER PLANNING



DS DP

**Minhang, Shanghai**  
Payload-Linker  
R&D Center

- OEB 4 & 5
- 50 L
- Pre-clinical to Tox Batch



DS

**Fengxian, Shanghai**  
Payload-Linker  
Manufacturing

- OEB 4 & 5
- 200 L
- Phase I to Commercial

Operational  
Excellence

IP

QA

EHS

RA

PM

Supply Chain

Global Site  
Compliance



**U.S. FOOD & DRUG  
ADMINISTRATION**



**World Health  
Organization**



**EUROPEAN MEDICINES AGENCY**  
SCIENCE. MEDICINES. HEALTH.

**PMDA**



**国家药品监督管理局**  
National Medical Products Administration

DS: Drug Substance, which is synonymous with Active Pharmaceutical Ingredient (API).  
DP: Drug Product, which is synonymous with Finished Dosage Form (FDF).

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Linked in

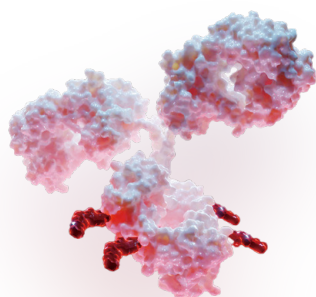


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# Biologics and Conjugates

As a subsidiary of Porton Pharma Solutions, a globally recognized CDMO, Porton Biologics and Conjugates CDMO Platform offers comprehensive, one-stop drug development and manufacturing services for biologics and conjugates, including ADCs, AOCs, PDCs, RDCs, etc.



Conjugates



Targeting-vehicle

- Antibody
- Peptide
- Small Molecule



Linker

- Cys (-SH): S-S, Maleimide Group (mc, mcc, etc.)
- Lys (-NH<sub>2</sub>): Activated Acid (CO-OSu, etc.)



Payload

- Cytotoxic Drugs
- Oligonucleotides
- Radionuclides
- Fluorescers



Early Stage  
Development Services



Process Development  
and DS Manufacturing



Formulation  
Development and DP  
Manufacturing



Analytical  
Development and QC



Regulatory Affairs

## Standard Timeline for Conjugates IND Project

	ADC	AOC	PDC (chemical synthesis)	PDC (E.coli expression)
Tox Material Delivery	8 Months	8 Months	6 Months	8 Months
US Filing	14 Months	14 Months	11 Months	13 Months
CN Filing	16 Months	16 Months	13 Months	15 Months

