



CAPABILITY

Biotherapeutics



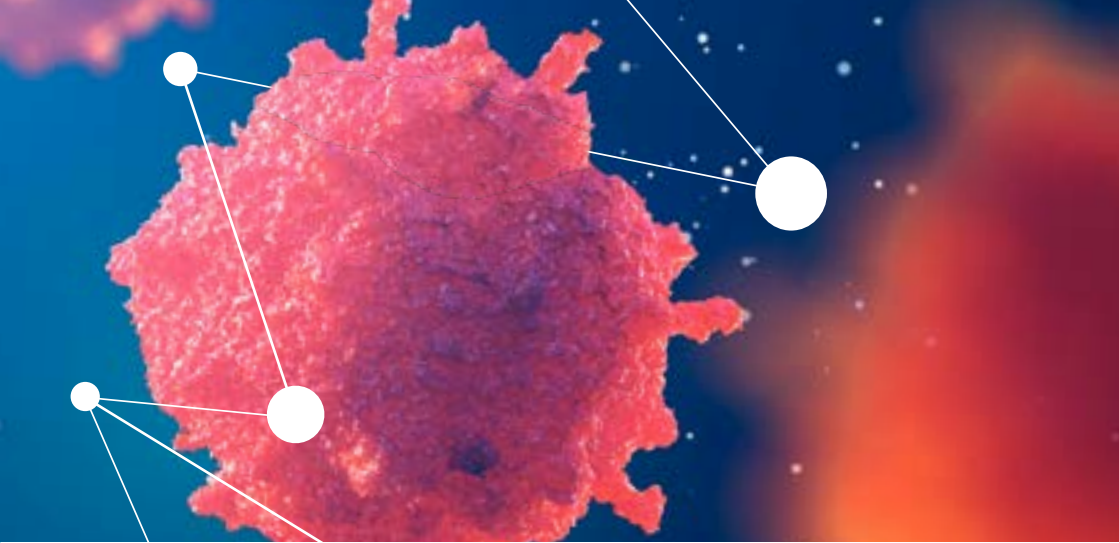
Find out more
www.uk-cpi.com



At CPI, we can support you with the design, development, optimisation and demonstration of a bespoke manufacturing process that works best for the production of your biotherapeutic molecule. Our teams are experienced in all aspects of upstream processing, downstream processing, analytical services and high throughput screening to accelerate your process development and help drive your project forward.

Biotherapeutic manufacturing solutions

We offer manufacturing solutions for microbial and mammalian expression systems and a wide range of products including monoclonal antibodies, viral vectors, recombinant proteins, microbial therapeutics and nanomedicines. Our facilities are designed to handle both BSL1 and BSL2 organisms. Our experienced team of scientists and engineers are able to provide you with a breadth of services to help establish a robust process for the production of your molecule. This includes microbial and mammalian cell culture optimisation at both lab and pilot scale, as well as bespoke downstream process development.



We can also offer analytics for process characterisation and final testing of your product, along with a number of fill, finish, and lyophilisation options. Our application of specialised, high throughput systems accelerates process development and optimises the yield, purity and quality of your product.

Accelerating the development of next-generation processes

We recognise that the biopharmaceutical pipeline is becoming more diverse and molecules are becoming increasingly complex, presenting a number of challenges in biomanufacturing. As medicines become more stratified and personalised, new manufacturing processes are required.

We have experience in evolving manufacturing technologies such as cell-free protein synthesis and continuous processing, allowing us to deliver solutions that have the potential to increase performance, enable higher productivity and increase manufacturing flexibility.

As an independent and open adviser, we can also provide consultancy in all aspects of biopharmaceutical development and manufacture.



Analytical services for biotherapeutic characterisation

We provide you with a wide range of analytical services for biotherapeutic characterisation across a diverse range of products including glycosylated and non-glycosylated proteins, monoclonal antibodies, viral vectors, nucleic acids and nanomedicines. Our wide range of analytical testing includes:

- Mass spectrometry for intact and subunit mass determination
- Peptide mapping
- N-Glycan profiling
- Site specific modifications (e.g. oxidation and deamidation)
- Charge variant profiling

Let's innovate together

www.uk-cpi.com/contact

