



--- We accelerate your innovation! ---

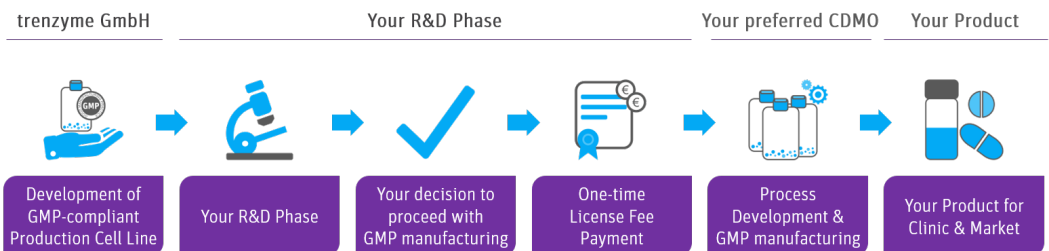


GMP-compliant Production Cell Line Development

Our GMP-compliant high production cell line can be used from research and development (R&D) up to final market introduction of your product. After the R&D phase, the generated cell line can be easily upgraded for commercial use by a one-time license fee payment (royalty-free).

- ✓ Development of GMP-compliant high producer cell lines – ideal for Biosimilars & NBEs
- ✓ One-stop-shop from cloning up to research cell bank generation (RCB) and DSP
- ✓ Cell line ideal for R&D phase and subsequent GMP manufacturing - substantial saving of time & costs
- ✓ No royalties: One-time license fee payment after R&D phase, sufficient to upgrade your cell line and to enter commercial phase and GMP manufacturing

Process from Cell Line Development to Production



cGMP-compliant Technology Platform - Features & Benefits

- ✓ CHO-K1 or Freedom ExpiCHO-S™ system for manufacturing of antibody and non-antibody proteins
- ✓ Transient production for fast-delivery of your target protein possible to start DSP process
- ✓ Evaluation of cell viability and target manufacturability at early-stage development
- ✓ Comprehensive characterization of minipools and clones in fed-batch cultures
- ✓ Maximum flexibility: Optional development of multiple cell lines in parallel to the pool stage and selection of a lead candidate for further cell line generation
- ✓ High scale-up stability from small scale research to GMP manufacturing levels
- ✓ Confidence in advance of your GMP manufacturing campaign through extended stability studies
- ✓ Full audit trail and documentation due to a laboratory integrated management (LIMS) software
- ✓ Provision of cGMP-compliant RCBs and tech transfer to the CDMO of your choice

One-Stop-Shop from Cloning up to Research Cell Bank Generation (RCB)



“Our GMP-compliant production cell line development project was performed professionally and qualitatively. We thank trenzyme for the good collaboration and hope for future projects.”

Dr. Alexander Piskunov
Generium Pharmaceuticals

Why choose trenzyme - your benefits from working with us:

- Our modular project designs are custom-tailored to your specific project requirements
- Our scientific experts will complete your project successfully and efficiently
- Your project manager keeps you constantly informed on progress throughout the project
- We are a reliable and long-standing partner of many international pharmaceutical companies
- High quality management standards: ISO 9001:2015 certified company

Discover all the services & products we offer:

- ▶ Stable Cell Line Development
- ▶ Cell Lines with Inducible Expression
- ▶ Custom Cell Expansion Service
- ▶ Catalog Proteins & Cell Lines
- ▶ Stem Cell Differentiation Service
- ▶ Custom Protein Production
- ▶ Guaranteed Protein Expression Packages
- ▶ High Yield Protein Production

