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PHARMARON

Biologics & CGT

Cell Line Development

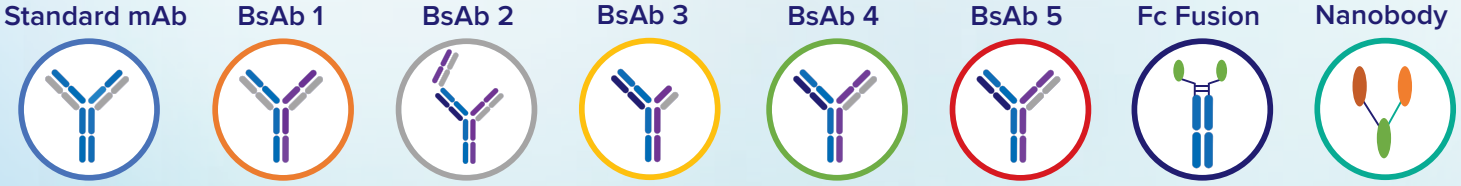
Pharmaron offers comprehensive Cell Line Development (CLD) solutions tailored for biologics, ensuring efficiency, quality, and scalability from the earliest stages of development. Our services support biologics production while maintaining the highest productivity and cell line stability standards. Our extensive experience spans mammalian, microbial and insect cell lines, and is fully supported by Pharmaron's comprehensive analytical capabilities.





Services:

- Wide range of host cell lines, including CHOZN CHO-K1/GS Knockout and QuaCell CHO-K1Q
- Dedicated suites for microbial and mammalian processing
- Cell line development, with protocol design options, using flexible high throughput automated capabilities, supported by bespoke robotics, customizable screening pathways, and micro- to lab-scale bioreactors (up to 10L)
- Research and GMP master cell bank production and storage for multiple cell types
- Full characterization and stability testing for master and working cell banks
- Comprehensive data packages backed by strong regulatory experience



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Cell Line Development

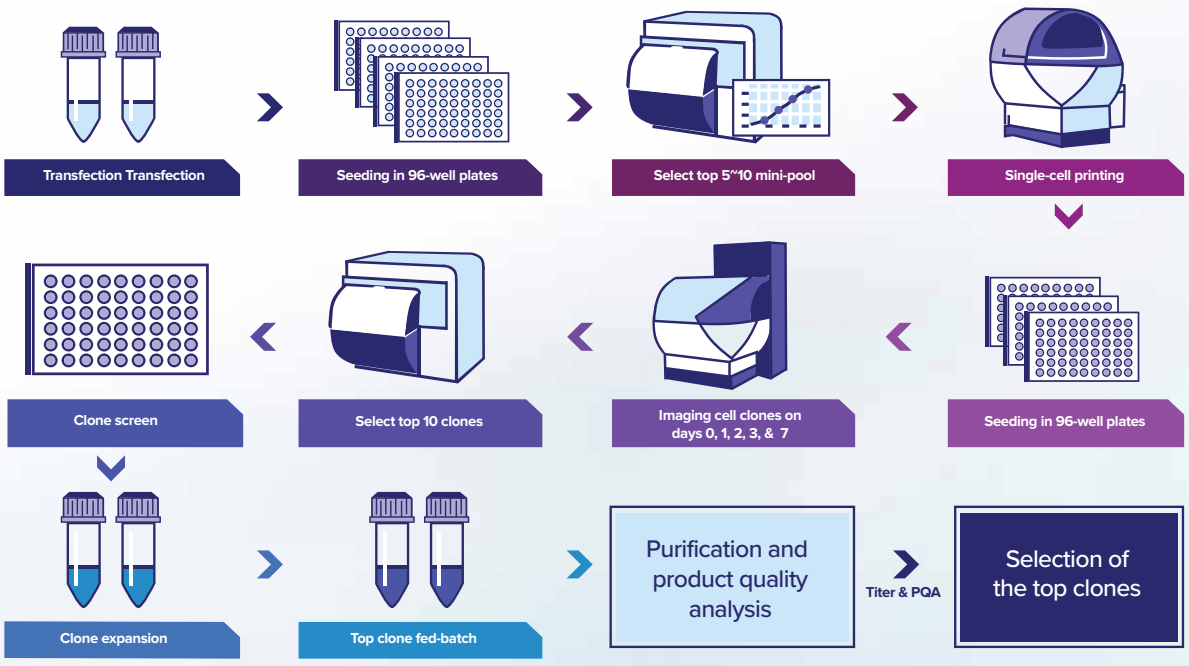


Precision in Candidate Selection

Plasmid Construction › **Pool Screening** › **Clone Selection** › **RCB Banking/ Testing** › **Stabillity Study & Final Clone Selection**

Pharmaron's Cell Line Development (CLD) process ensures efficient and scalable biologics production, from Vector Construction to final clone selection.

- **Vector Construction and Stable Transfection:** Select a suitable vector, optimize codons, synthesize genes, construct a plasmid, and transfect cells
- **Pool Screening:** Rapidly screen high-expressing pools with high-throughput systems
- **Clone Screening:** Identify and refine the top 10 clones using advanced screening and imaging technologies
- **Final Clone Selection:** Imaging tools help select the top clones for productivity, quality, and stability
- **Regulatory-Ready RCB Banking:** Testing performed with full regulatory compliance ensuring safe, scalable production



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