

HEADQUARTERS
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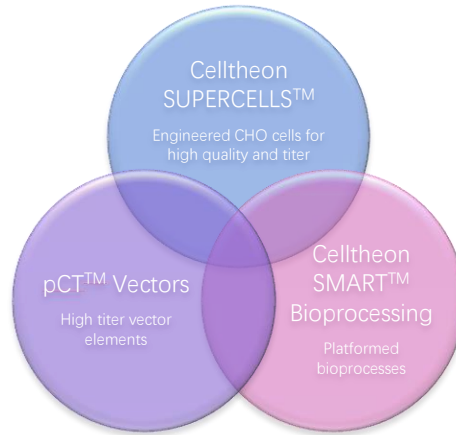
BUSINESS ENQUIRIES
 info@celltheon.com
 www.celltheon.com

- CELLTHEON SERVICES**
- Transient Transfections
 - Cell Line Development
 - Process Development
 - Bioproduction
 - Analytics

- APPLICATIONS**
- Antibody fragments
 - Difficult to express proteins
 - Fc-fusion proteins
 - Novel mAbs
 - Biosimilars
 - Gene Therapy
 - Cell Therapy

- CELLTHEON TECHNOLOGY HIGHLIGHTS**
- CELLTHEON SMART™ Platform enables commercial viability of Difficult to Express Proteins
 - Celltheon SUPERCELL™ metabolic profile optimal for CQAs
 - CT-STABILIZER™ element results in clones with high generational stability (> 120)
 - CT-STABILIZER™ element results in Qp as high as 60 pg/cell/day and robust/repeatable processes
 - CT-STABILIZER™ element results in high number of high-expressing clones
 - Provides robust & repeatable cDNA to scale-up workflow
 - Built in Quality By Design gives consistently high titer clones
 - CELLTHEON's consistent CQAs at every scale gives you confidence in the success of your program

The CELLTHEON SMART™ Platform

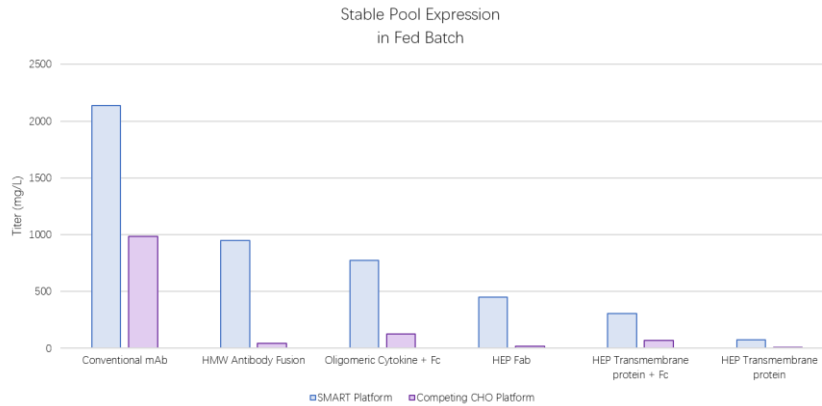


- Off-the-Shelf Platform
- cDNA to RCB in 12 weeks
- Stable pools >2 g/L & clones > 8g/L
- Scaleup and tech transfer up to SF, 3L, 50L or 200L
- >90% clones stable for >120 generations
- High quality and titer difficult to express proteins
- GLP Production up to 200L

Celltheon's History of Success

The CELLTHEON SMART™ Platform has been used to date in 100+ biotherapeutics for oncology, neurobiology and RA programs, including 5 biosimilars. In 2018 Celltheon formed strategic partnerships with industry leading companies to offer end-to-end cDNA to manufacturing solutions: scale-up process equipment, cell culture media and analytical screening tools for developing process based on Quality-By-Design (QBD). Combined with our industry leading Celltheon SMART™ Platform and our deep knowhow, we provide Cell Line and Process Development services to make your most difficult to express therapeutic proteins commercially viable:

Celltheon SMART™: The First Expression System for Any Protein



The Celltheon SMART™ Platform has been carefully engineered with quality in mind, regardless of protein complexity. The Celltheon SMART™ cell line development platform utilizes a suite of novel technologies to optimize protein expression at the DNA, RNA, and cellular levels for robust protein expression and improved product quality. All proteins to date, regardless of complexity have been produced at >90% monomer by SE-HPLC.

Email info@celltheon.com for more information about difficult to express proteins and your other biotherapeutic needs.

