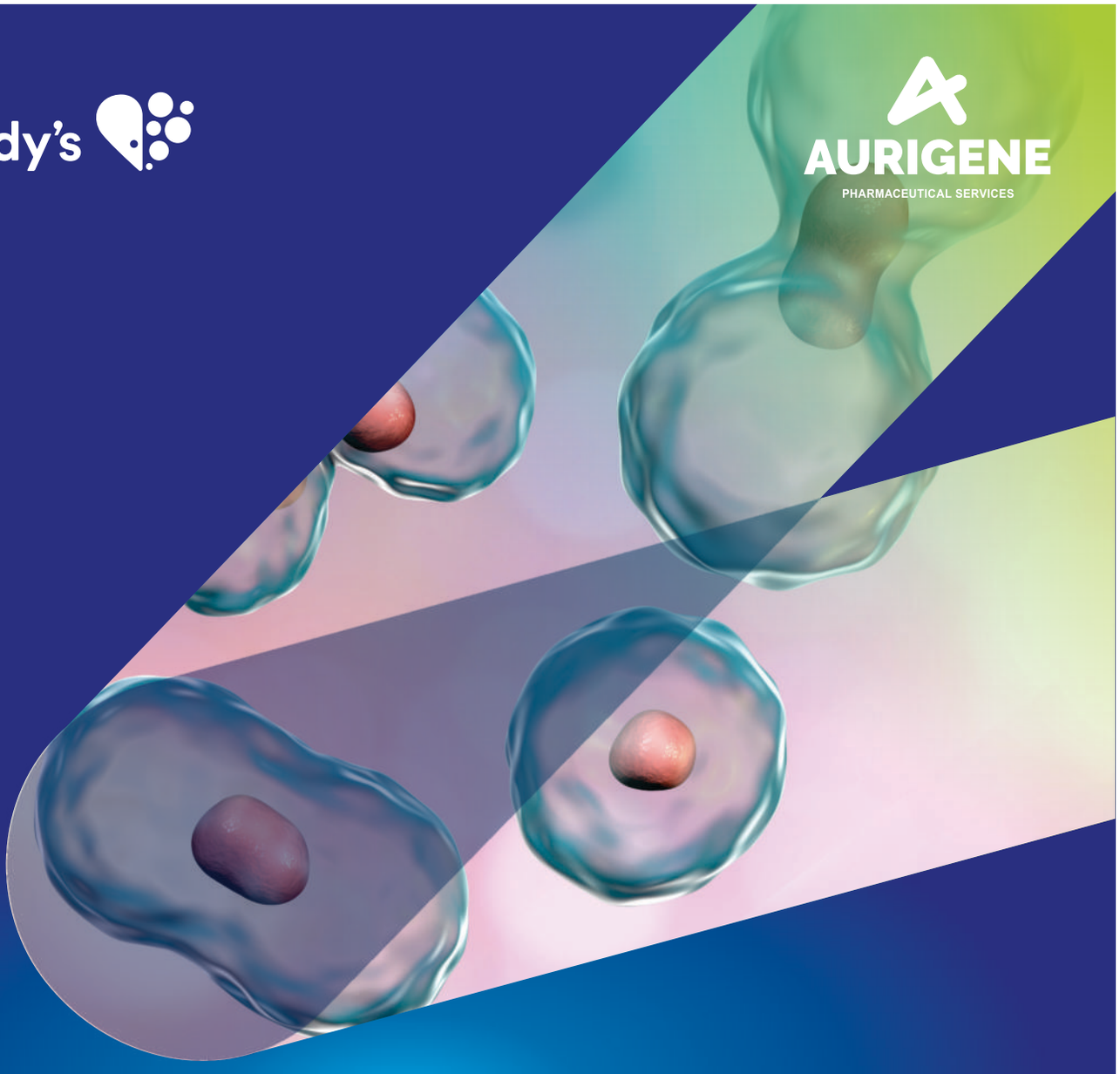
Dr.Reddy's

AURIGENE
PHARMACEUTICAL SERVICES

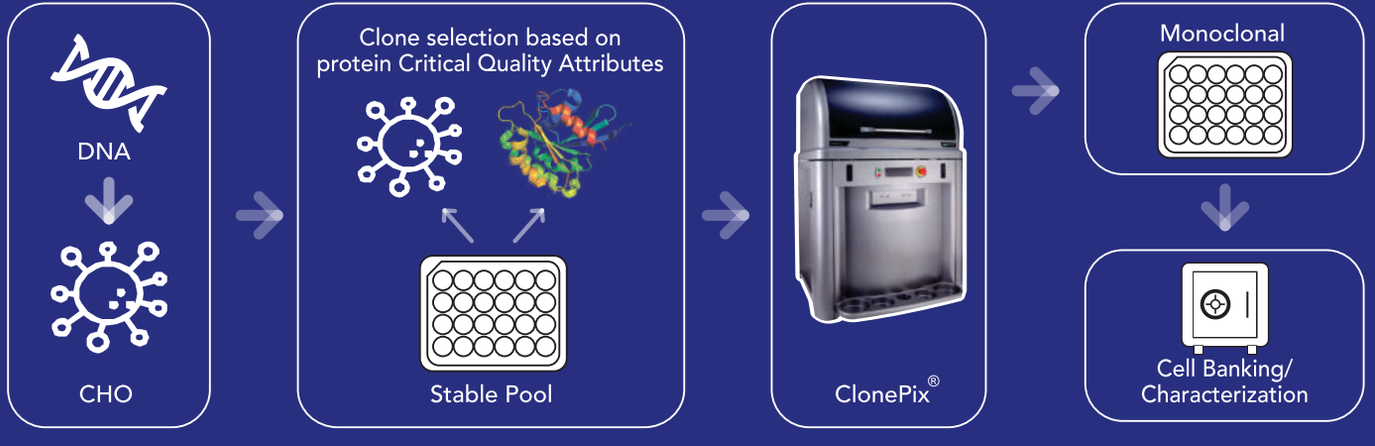


# Cell Line Development

We enable development of stable and high yielding recombinant Mammalian and Microbial cell lines.

Our approach to cell line development is based on a balance of "Productivity, Quality and Stability". This approach is enabled by a collaboration between the Molecular Biology and the Analytical teams to maximize the long-term sustainability of clones and products.

We have proven expertise in both mammalian and microbial cell line development for glycosylated and non-glycosylated proteins – Antibodies, Cytokines, Fusion Proteins and more.



# Cell Line Development

## Why us

- Consistent and stable cell lines yielding 4+g/L in a standard fed batch culture
- Experience in mammalian cell lines as well as E coli
- Various CHO expression platforms – CHO (S), CHO K1- $GS^{-/-}$, CHO – DXB11
- Experience in multiple platforms of transgene amplification
- Multiple protein classes – IgGs, Fab, Cytokines etc.
- Cloning and expression of soluble and inclusion body proteins in E coli
- Using state of the art robotics and high throughput instrumentation – ClonePix®, Octet®, Cedex, Maxcyte®, Ambr®
- Data integrity and reliability based on digital data recording in accordance with GAMP 5 requirements
- Documentation and report writing to comply with regulatory filing with leading agencies such as FDA, PMDA and EMEA

## What we do

**Cell Line**

CHO (S) | CHO K1 – $GS^{-/-}$ | CHO-DXB11 | E coli

**Gene Amplification**

Glutamine Synthase | DHFR / Puromycin

**Molecular Biology**

Cloning and Plasmid Preparation

**Characterization**

Generation Stability | Insert Stability | Viral Clearance

**Banking**

MCB Establishment | WCB Establishment | GMP Cell Storage

**Protein**

mAb | Fab | Fusion Protein | Cytokine | Enzyme | Hormone | Hyperglycosylated Proteins | Derivatized Proteins

**4000 SqMt. of R&D Lab Space**

**ALCOA+ Driven Quality Systems**

**200+ Research Scientist**

**Digital Infrastructure Supported**

ELN | Proprietary Analytics Platform

www.aurigeneservices.com contactapsl@aurigeneservices.com /aurigenepharmaceuticalservices /AurigenePharmaceuticalServices