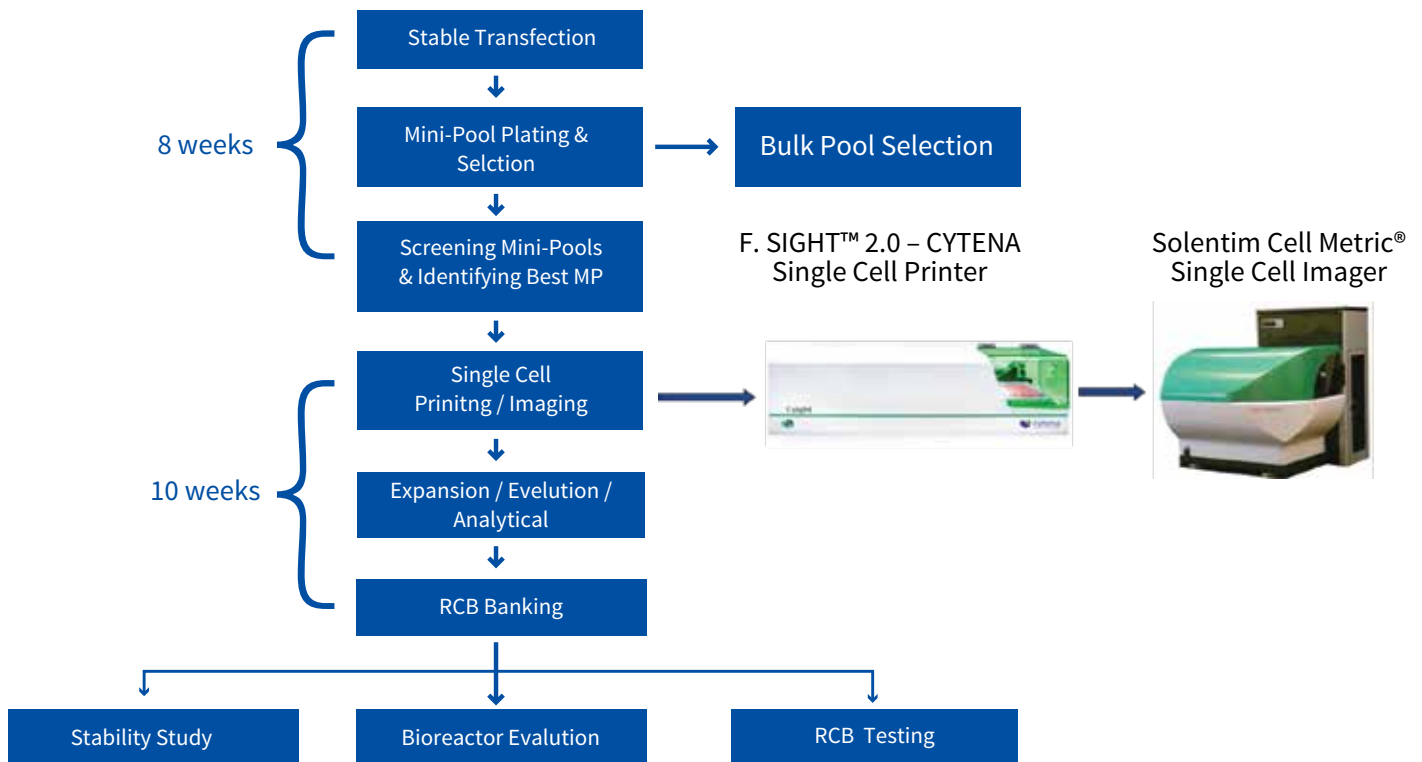


Aragen Cell Line Development Solutions for Biologics CHO CLD Platforms



Aragen offers choice of CLD platforms



RapTr 2022™: Increased Titer & Reduced Timeline of CLD Process Flow

CHO CLD Platforms

- CHO DG44, CHO GS, CHOZN, SP 2/0
- Our in-house developed CHO DG44 platform can deliver titer >4g/L in 5 months CHO GS: up to 6g/L- royalty free, milestone payment free, difficult-to-express proteins, NBEs, and animal health
- Over 100 CLD programs Pre-IND/GMP
- Over 14 in clinical development and 3+ commercial production.

Key Attributes

- RapTr2022 with Aragen offers choice of CLD platforms
- Royalty-free CHO DG44 best suited for biosimilar development.
- Royalty free, accelerated timeline for DG44 and CHO GS (18 weeks from transfection to RCB)
- Transfection to single cell clone evaluation in 18 weeks with Aragen's optimized process
- Our CLD platform uses a chemically defined serum free medium and proof of clonality to support IND filing
- Strong Analytical capabilities – early engagement to establish quality and select right clones to advance

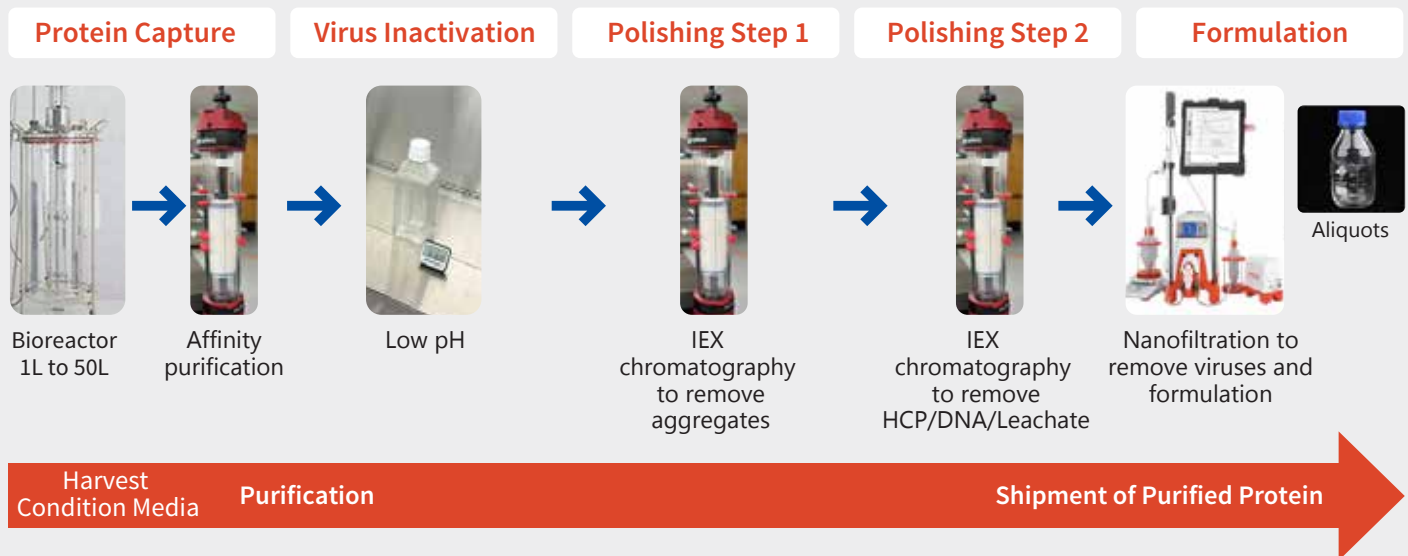
Aragen's Process Development Solutions for Biologics CHO CLD Platforms

Aragen offers coefficient upstream and downstream process development

- We use nonproprietary commercially available media and feed for screening studies this allows transfer to any CDMO
- Media and feed screening in shake flasks
- Process parameter screening and optimization in AMBR250
- Process consistency and scalability happens in 1L, 5L & 10L bioreactor



Downstream Process Development



Key Attributes

- Ambr250 platform for upstream process development- synergies to reduce time to IND
- Fully automated AMBR250 24 units, integrated to NOVA Flex-2 & Vi-Cell
- Multifactorial DOE to screen process parameters like- pH, DO, Temp, agitation etc
- Process parameter optimization and identifying best operative parameters
- History of generating biosimilar cell lines- now in market

Let's begin the
Conversation

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