



CHOnamite®

Versatile and Highly Productive Cell Line Platform for Your Complex Proteins



CHOnamite® revolutionizes biopharmaceutical development with its streamlined approach to selecting the best suitable cell pool from our various host cell lines: CHO-K1, CHO-GS-KO, and CHO-DG44 cell lines. This platform is designed to accelerate the generation of top-performing CHO production cell lines, ensuring the highest quality attributes.

CHOnamite®, achieves outstanding productivities of up to **12 g/L for even complex bispecific mAbs**. Additionally, the platform allows for the adjustment of critical quality criteria, such as glycan patterns, through clone selection and process adaptation strategies, ensuring the desired product qualities are met.

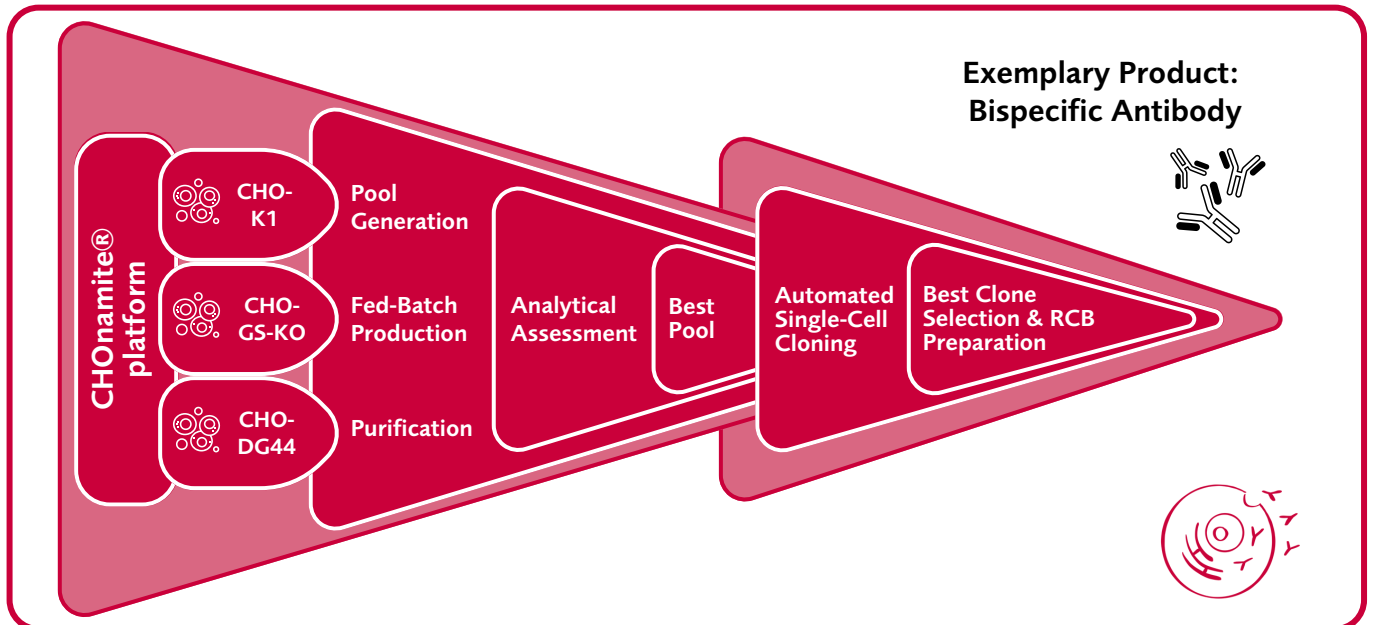
The **CHOnamite® platform** facilitates high-yield production of antibodies, bispecific antibodies and other complex recombinant proteins.

This diverse portfolio of different host cell lines caters to various client needs, particularly in **Biosimilar** development, where starting with different host cell lines make a big difference in meeting biosimilarity.

Key Characteristics

- The platform comprises multiple host cells: CHO-K1, CHO-GS-KO, CHO-DG44
- Achieving outstanding titers of up to **12 g/L**, including our potent transposase technologies
- High-yield, stable, and robust fed-batch production processes
- Suitable for complex proteins such as
 - mAbs
 - bispecific mAbs
 - biosimilar development
 - complex difficult to express recombinant proteins
- Early integration of PTM/glycan analytics into the CLD procedure
- Fully traceable history and documentation
- Royalty free licensing models

Streamlined Cell Line Development with CHOnamite®



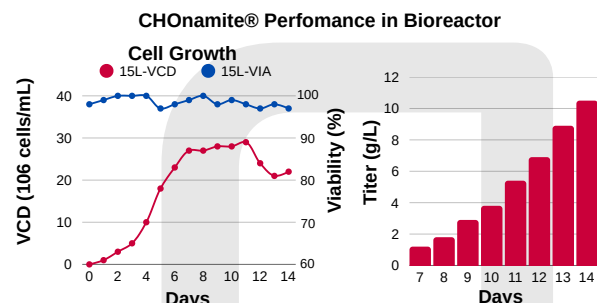
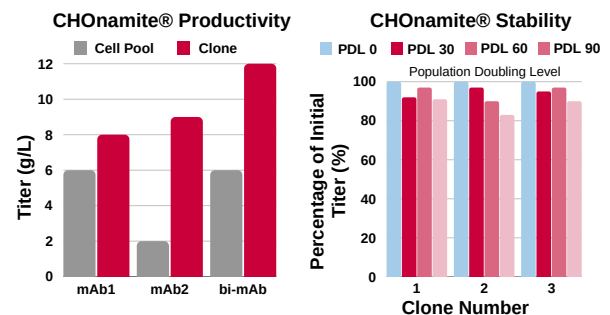
At FyoniBio, CLD offers you a choice!

Using **CHOnamite®** allows us to initiate the project on a broad level to significantly increase the probability of generating the highest expression clones. It all starts with integrating our CHO-K1, CHO-GS-KO, and CHO-DG44 cell lines for the pool generation approach.

Comprehensive analysis continues, encompassing glycan profiling, aggregate quantification, charged variant evaluation, and potency assessment. These analyses form the foundation for determining the best cell pool to proceed to state-of-the-art single-cell cloning using automated, image-based cloning technology, ensuring the highest rates of monoclonality.

FyoniBio's approach is ideal for **New Biological Entities** to identify the best host, as well as for **Biosimilars**, where different host cells provide the best starting conditions to combine productivity and match biosimilarity and desired quality attributes.

CHOnamite® cell lines enable superior high yield productivities: **2-6 g/L on pool level** and **up to 12 g/L on clone level**.



The FyoniBio Team Is All Set to Bring Your CMC Project to the Next Level!

FyoniBio offers high quality ISO-9001 compliant services. For more information please contact us.



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