

go above and
BEYOND
traditional metabolomics

improve productivity of your CHO expression platforms

**ACTIONABLE
RESULTS**

**COST-
EFFECTIVE**

Would you like to...

- ...identify and understand the metabolic pathways critical to the growth and performance of your CHO cell lines?
- ...optimize your CHO culture media, growth conditions, or genetic background?
- ...increase the product quality, quantity, and consistency from your CHO expression systems?

Chinese Hamster Ovary (CHO) cells have long been the dominant cellular factories for recombinant protein production, constituting the majority of biotherapeutics on the market. Optimizing the productivity of these systems – whether via genetic engineering or media development – has often been via trial and error, a tedious, time-consuming, and costly exercise. **Until now.**

Metalytics' extensive experience with CHO systems has enabled the development of **FirstCHOiceMFA**, a lower-cost alternative to a traditional metabolic flux analysis (MFA) study. **FirstCHOiceMFA** leverages Metalytics' proprietary CHO metabolic models and data sets along with the vast amount of information that has been generated in the public domain for the past several decades to create a streamlined approach to the investigation of CHO metabolism, resulting in a cost-effective process that delivers actionable results for biopharma research, development, and manufacturing.



Increased production
quality, quantity
& consistency

Decreased raw
materials costs
& time-to-market

Competitive Edge

Metalytics goes above and beyond traditional metabolomics studies to customize and tailor each individual project, providing actionable results that will improve cell growth and performance, solving difficult problems by identifying specific opportunities for culture and process improvement. By providing information about the production and consumption rates of critical metabolites in living cells, Metalytics' technology-enabled metabolic flux analysis (MFA) services can help solve problems and accelerate your research, development, and biomanufacturing progress.

FirstCHOiceMFA can help you identify the most promising engineering targets in CHO metabolism, resulting in increased production quantity and quality, reduced raw material costs and time-to-market, and a competitive advantage. **FirstCHOiceMFA** is a true game-changer for the biopharma industry, contact us today to learn how it can be a game-changer for you.

IMPROVE CELL GROWTH AND PERFORMANCE