



Supercharge Your Cells with Custom Media Solutions

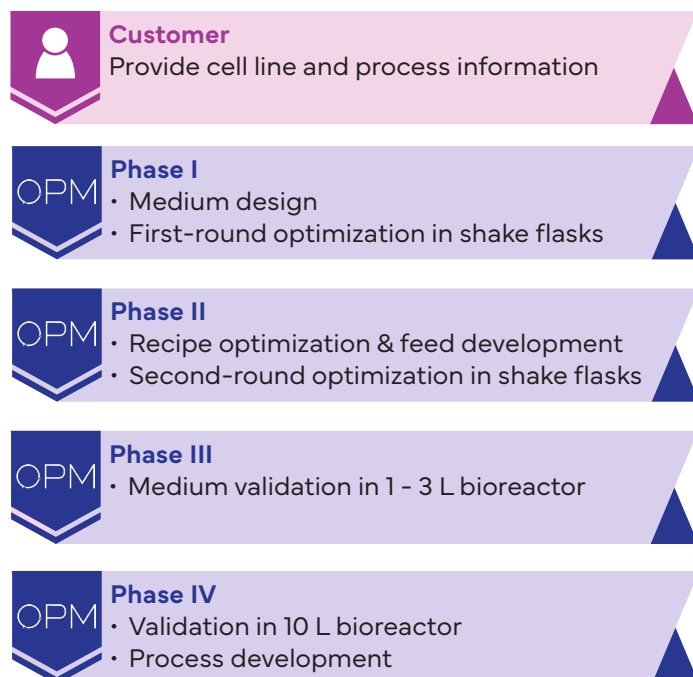
OPM Biosciences specializes in custom cell culture media development for various CHO cell lines, including CHO-K1, CHO-S, CHO DG44, and CHOZN. Our tailored media solutions help biopharmaceutical companies boost protein titers and enhance protein quality, including glycosylation profiles, charge variants, aggregation, and fragmentation.

Why OPM?

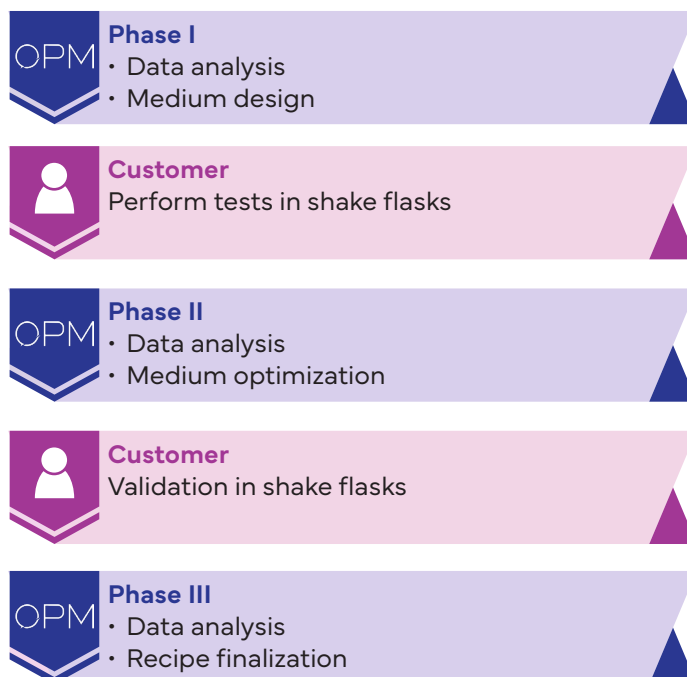
- Proven expertise with 100+ projects delivered, averaging **111%** titer improvement and up to **390%** in a single project
- Proprietary media formulation library enables development in as little as 3-6 months

Custom Media & Feed Development Options

Option 1: End-to-End Development

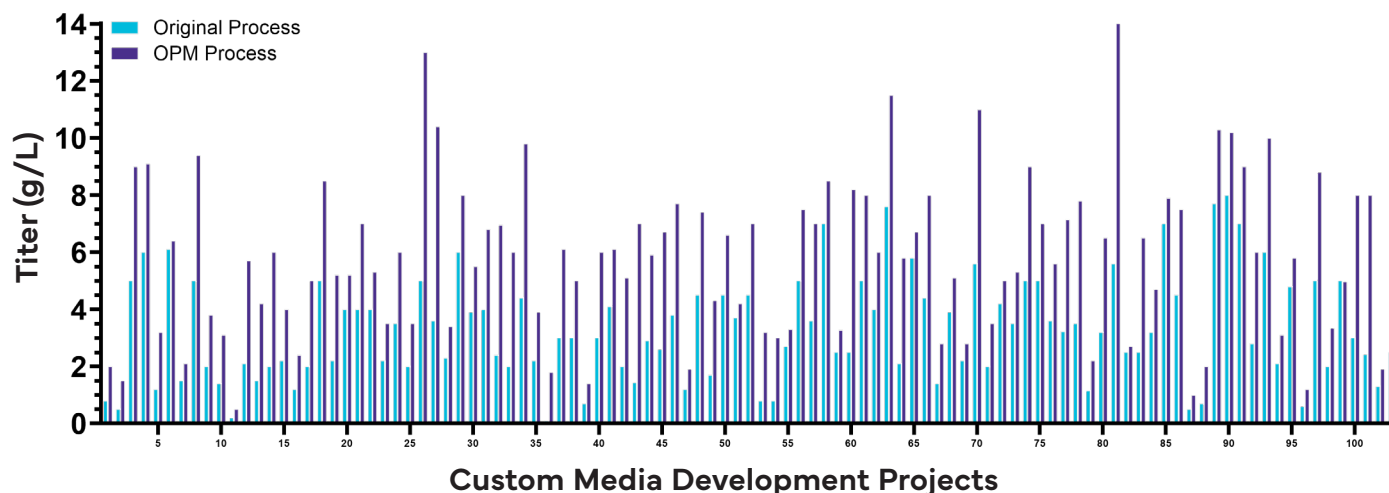


Option 2: Consultative Development



High Titer Achieved in Every Customization Project

OPM has completed over 100 custom media development projects, achieving an average 111% titer improvement, with a project as high as 390%. The highest titer reached was 14 g/L in fed-batch processes.



Client Project Showcase

1. Custom media development for a mAb in CHO-K1 host cells

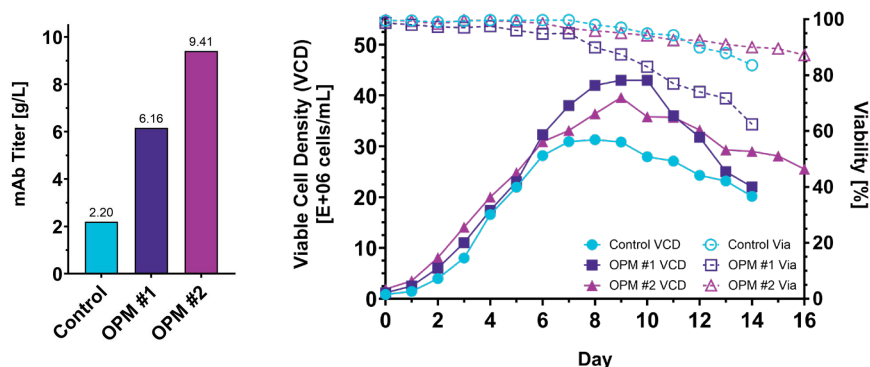


Figure 1. OPM custom chemically defined media led to a 300% titer increase with improved peak viable cell density while maintaining high cell viability. **(Left)** Titer improvement after 2 rounds of optimization. **(Right)** Cell viability and density profiles after optimization.

2. Media optimization for quality attributes

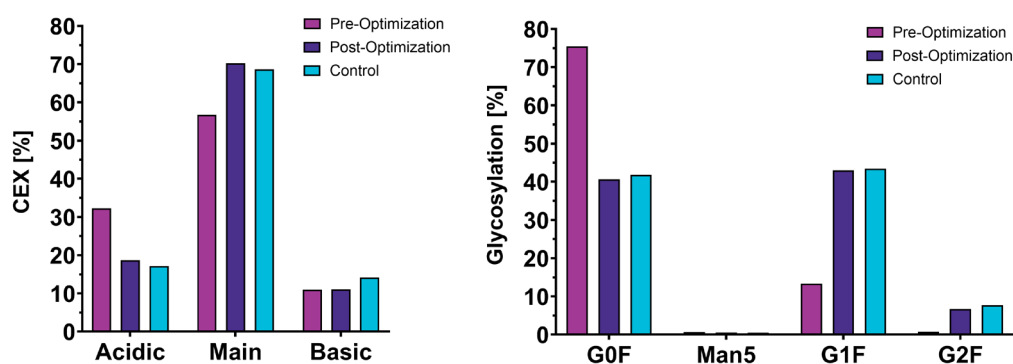


Figure 2. Media and process optimization modulated charge variants and glycosylation to levels comparable to the control. **(Left)** Charge variant profiles before and after optimization. **(Right)** Glycosylation profile before and after optimization.