

## Supercharge Your Cells with Custom Media Solutions

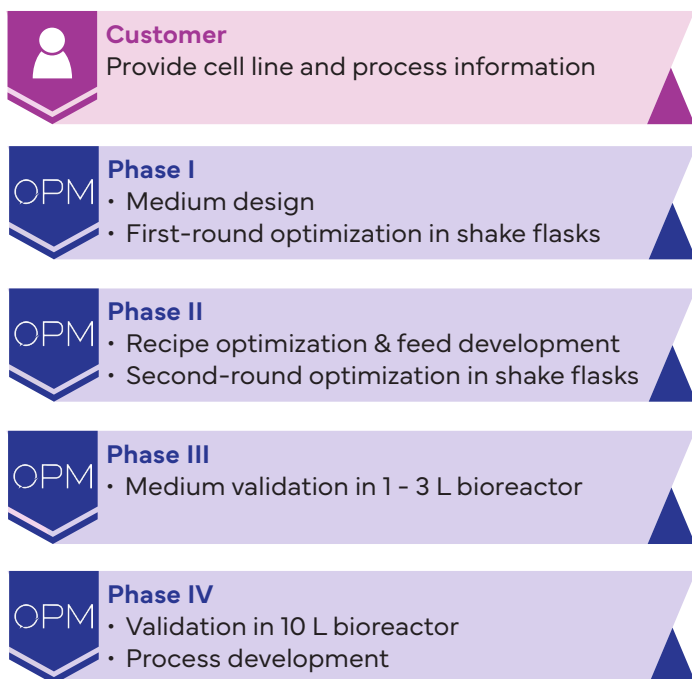
OPM Biosciences specializes in custom cell culture media development for various CHO cell lines, including CHO-K1, CHO-S, CHO-DG44, and CHOZN. Our tailored media solutions help biopharmaceutical companies boost protein titers and enhance protein quality, including glycosylation profiles, charge variants,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

### Why OPM?

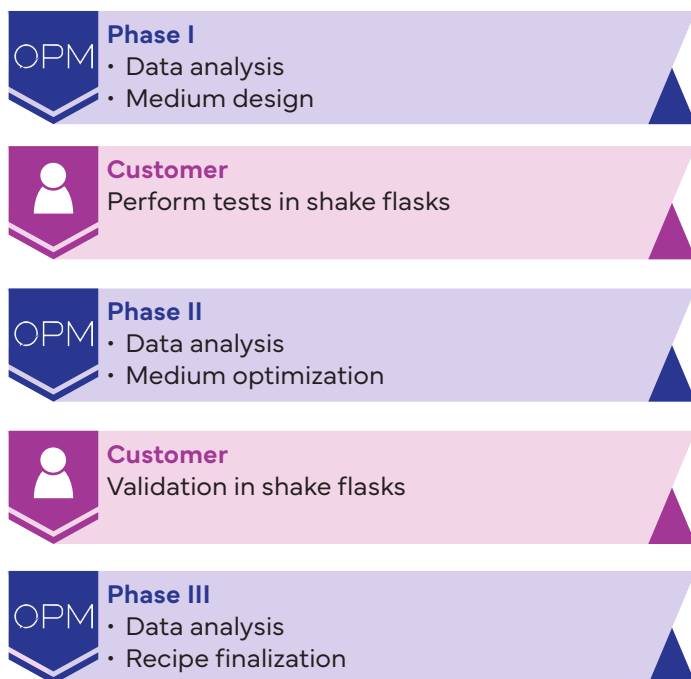
- Proven expertise with 90+ projects delivered, averaging 112% titer improvement and up to 390% in a single project
- Proprietary media formulation library enables development in as little as 3-6 months

## Custom Media & Feed Development Options

### Option 1: End-to-End Development

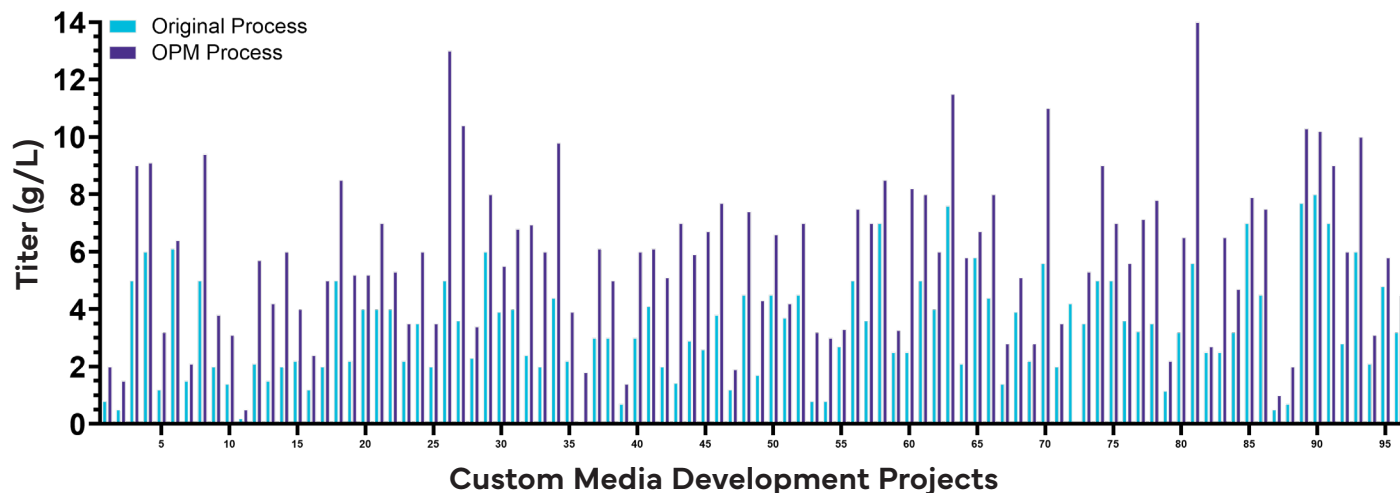


### Option 2: Consultative Development



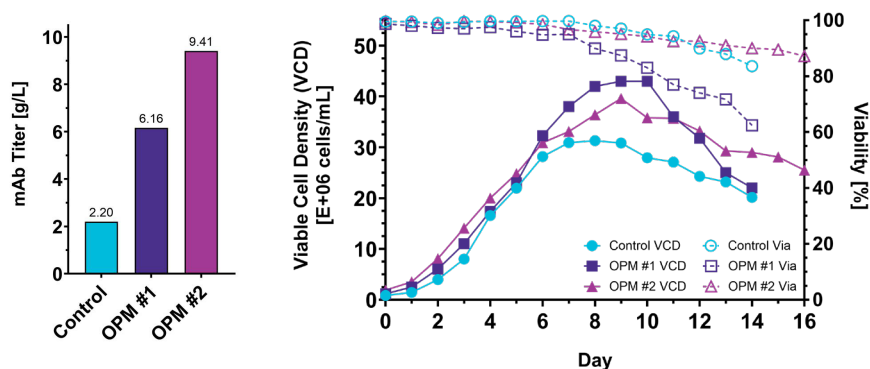
# High Titer Achieved in Every Customization Project

OPM has completed over 90 custom media development projects, achieving an average 112% titer improvement, with a project as high as 390%. The highest titer reached was 13 g/L in fed-batch processes.



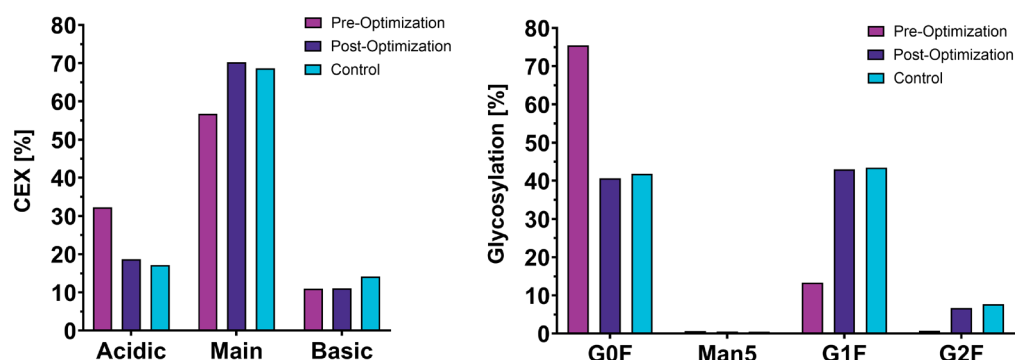
## Client Project Showcase

### 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.