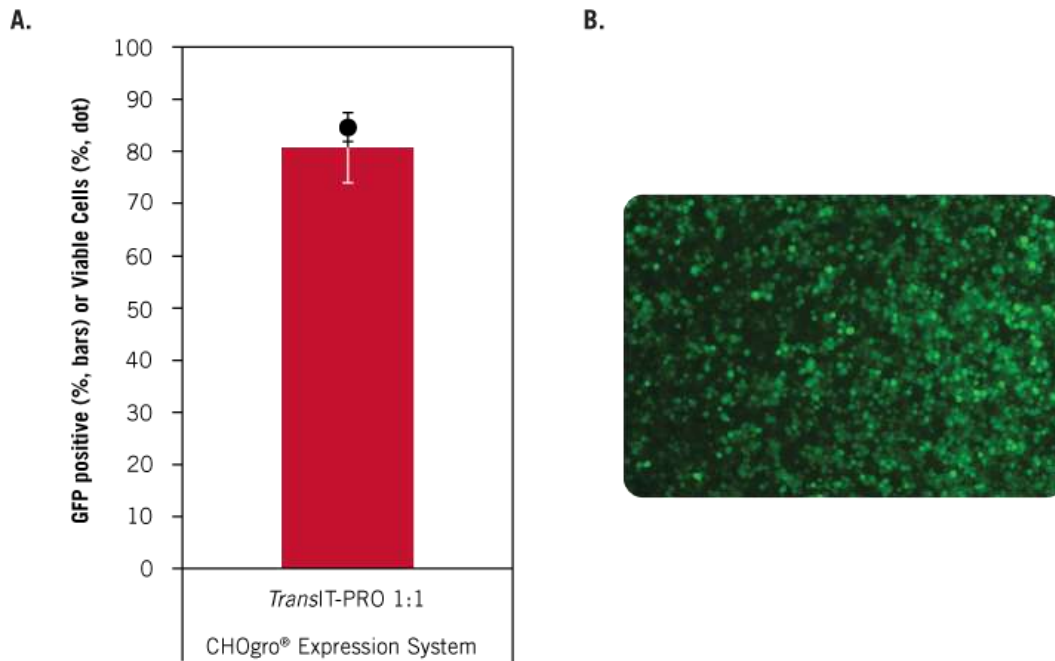


Figures and Data

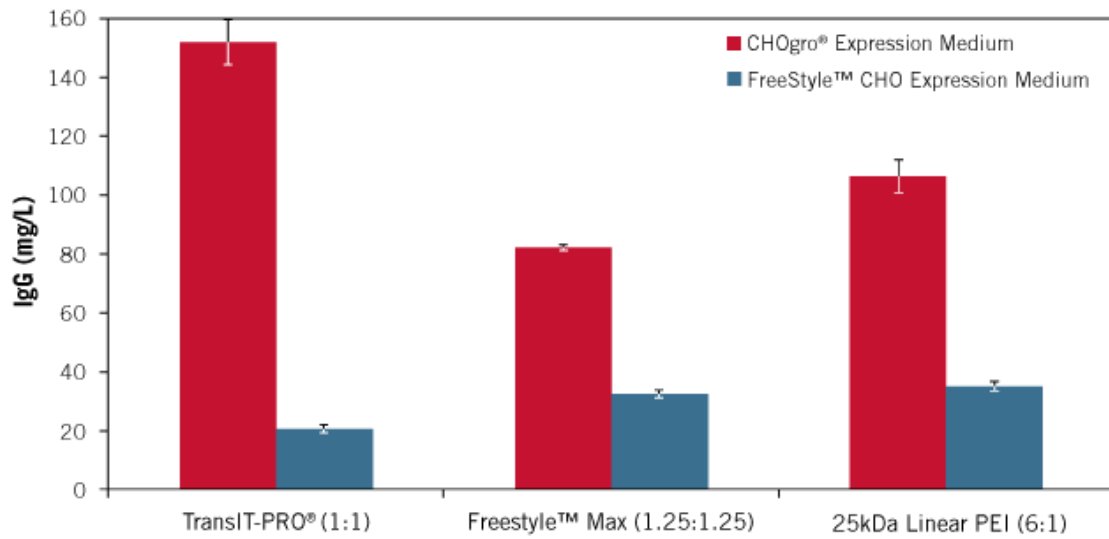
[High Efficiency Transfection of CHO-S cells Using the *TransIT-PRO*® Transfection Reagent](#)

[TransIT-PRO® Yields Multi-fold Increases in Antibody Titer in Conjunction with CHOgro® Expression Medium](#)

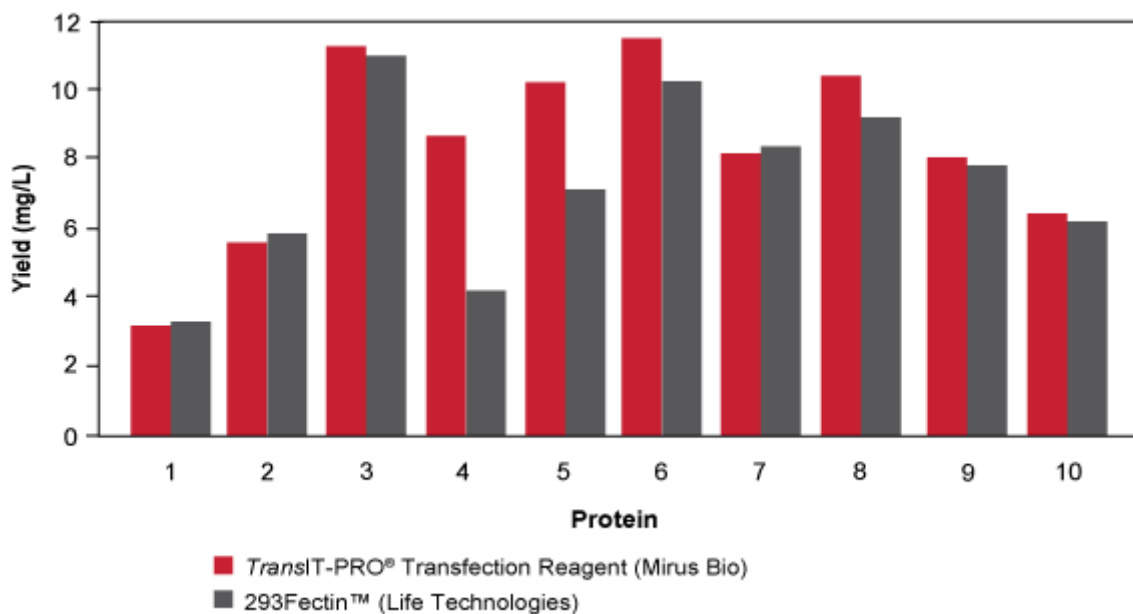
[Achieve High Protein Yields in Suspension 293 Cells](#)



High Efficiency Transfection of CHO-S Cells Using the *TransIT-PRO*® Transfection Reagent. Plasmid DNA encoding EGFP was delivered by transient transfection with the *TransIT-PRO*® Transfection Reagent (1:1) (reagent:DNA ratio, volume:weight) using 1 µg plasmid DNA per milliliter of culture and cell a density of 2×10^6 cells/ml in the CHOgro® Expression Medium at the time of transfection. FreeStyle™ CHO-S cells were cultured in CHOgro® Expression Medium and plated into non-treated 6-well plates (2 ml/well) for transfection. (A) GFP levels and cell viability (propidium iodide) were measured 48 hours post-transfection using a Guava® easyCyte™ 5HT flow cytometer (EMD Millipore). (B) Images were captured using a Zeiss Axiovert inverted fluorescence microscope.



TransIT-PRO® Yields Multi-fold Increases in Antibody Titer in Conjunction with CHOgro® Expression Medium. Human IgG1 was produced by transient transfection using *TransIT-PRO®* (1:1), *FreeStyle™* MAX (1.25:1.25) or 25kDa linear PEI (6:1) transfection reagents according to the manufacturers' or published protocol (reagent:DNA ratio). Transfections were performed using 1 µg plasmid DNA per milliliter of culture and cell densities of 2×10^6 cells/ml or 1×10^6 cells/ml for the CHOgro® Expression Medium (red bars) or *FreeStyle™* Expression Medium (blue bars), respectively, at the time of transfection. *FreeStyle™* CHO-S cells were cultured in CHOgro® Expression Medium or *FreeStyle™* CHO Expression Medium and plated into non-treated 6-well plates (2ml/well) for transfection. Antibody levels were also analyzed from day 6 clarified supernatants using a human IgG ELISA (ZepToMatrix). Error bars represent the standard deviation of triplicate technical replicates.



Achieve High Protein Yields Using *TransIT-PRO*® Transfection Kit in Suspension 293 Cells. Ten different secreted (non-antibody) proteins were transiently expressed in FreeStyle™ 293-F cells (Life Technologies) using *TransIT-PRO* (1.5:1) or 293fectin™ (Life Technologies, 2:1) transfection reagents according to manufacturer's protocol. Cells were grown in FreeStyle™ 293 Expression Medium at transfected at a density of 1×10^6 cells/ml. The scale of the transfection for each protein varied between 1-6 L of culture. [More experimental details here. \(PDF\)](#)

Data courtesy of a TransIT-PRO pharmaceutical customer.