

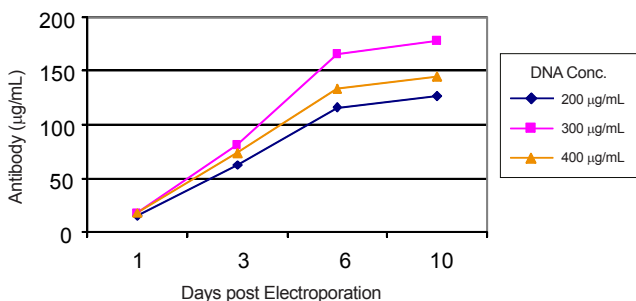


Transfection to the N^{th} Power.

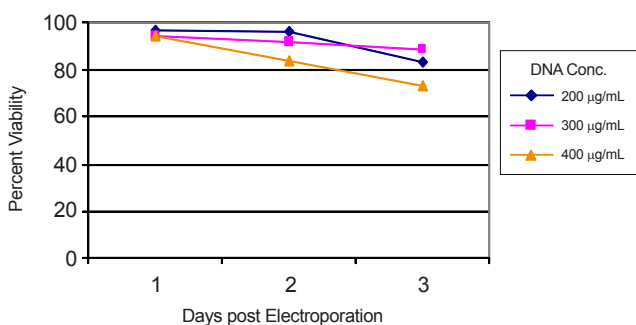
Antibody Production

Antibody Expression in CHO Cells

A). Antibody Concentration



B). Cell Viability



Extended Production of Antibodies from MaxCyte Transfected CHO Cells. Cells were transfected with an equimolar mixture of heavy and light chain expression plasmids with a total DNA concentration of 200, 300, or 400 µg/mL on day 0. Cell number and viability were measured on days 1, 2, and 3 following electroporation. Total IgG concentration in cell supernatant was measured using an ELISA on days 1, 3, 6, and 10.

The MaxCyte[®] STX[™] Scalable Transfection System uses electroporation to efficiently transfect cells commonly used for antibody production, including CHO cells. MaxCyte flow electroporation can rapidly express a large number of antibodies in the quantities needed for use in screening and other pre-clinical drug development applications, and thus provides a practical solution to the time, labor and cost challenges faced when relying exclusively on stable cell lines.

MaxCyte STX Scalable Electroporation

- • • Rapid, high quality transfection of CHO cells
- • • Protocols optimized for protein production
- • • Decreased reliance on stable cell lines
- • • Fully scalable, able to transfect up to 1×10^{10} cells in < 30 minutes
- • • Sustained antibody expression

Contact us today to arrange a customized demonstration.