

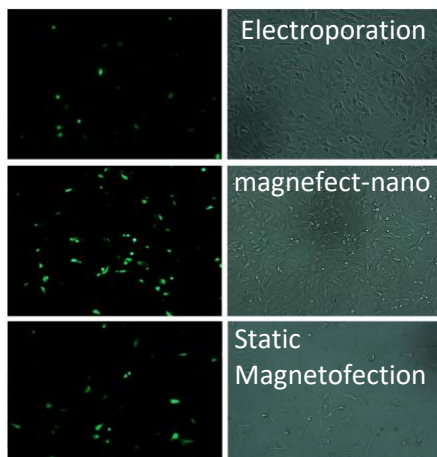
Magnefect Nano

The system for high performance gene transfection

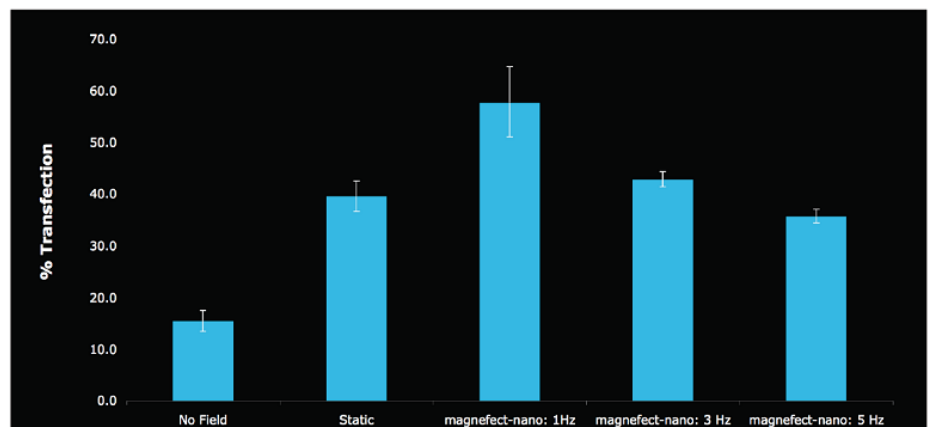
The Magnefect Nano from Blackfish Biotech is the **only** oscillating magnetic nanoparticle-based transfection system on the market. Blackfish Biotech holds the patents to the system, which outperforms other non-viral transfection platforms, especially for neuronal cell applications. Unlike viral transfection methods, our system enables transfection of large plasmids that are relevant to many neurological disorders, and also allows multiple re-transfections using the same, or different plasmids, as well as RNA transfection for gene knockdown studies.

And now, the Magnefect Nano provides an efficient tool for magnetic nanoparticle loading for Magnetic Particle Imaging (MPI) studies.

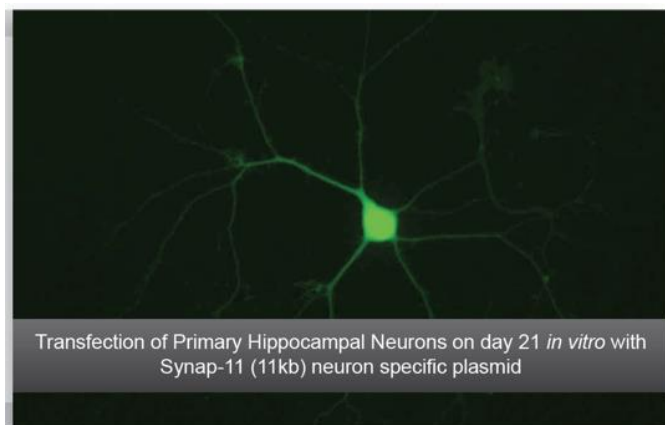
The Data



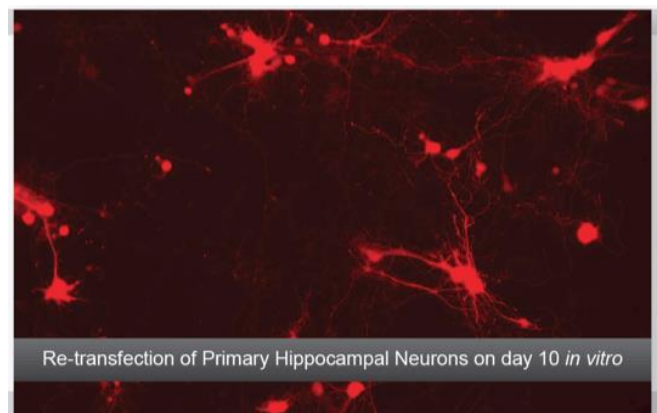
Comparison of GFP transfection in SH-SY5Y neuronal cells.



Comparison of GFP transfection in static magnetofection vs. the magnefect-nano in rat astrocytes (data courtesy of D. Chari, Keele University).



Large plasmid transfection in primary hippocampal neurons with the magnefect-nano.



Re-transfection in primary hippocampal neurons with the magnefect-nano. (Data courtesy of J. Steiner, Johns)