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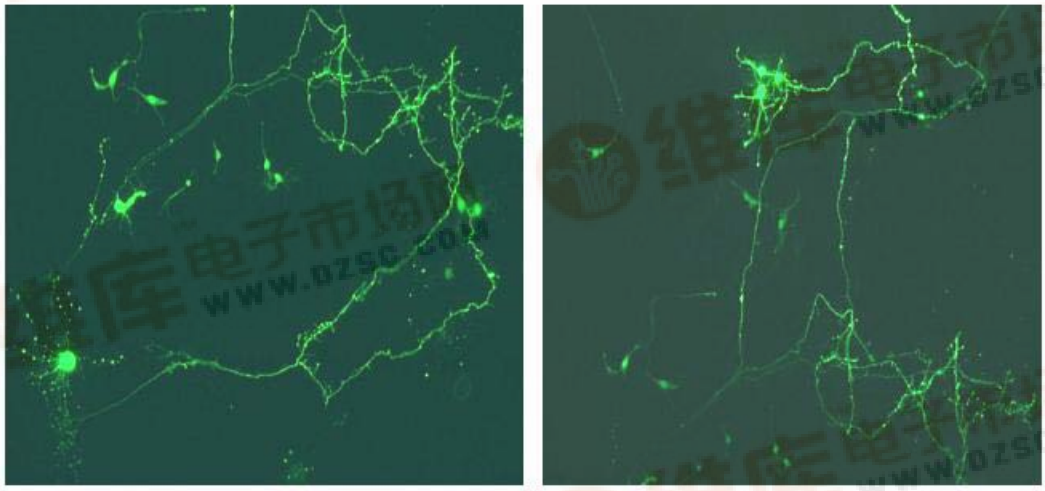
Genlantis

NeuroFECT™ Transfected gWiz-GFP on E18 Rat Hippocampal Cells



gWiz-GFP + NeuroFECT

Figure 1: A three-day old culture of NeuroPure™ E18 Primary Rat Hippocampal Cells were transfected with the gWiz-GFP Expression Vector using the NeuroFECT™ Transfection Reagent. Three days post-transfection, photographs of GFP expressing cells were taken using a fluorescent microscope (NIKON E600) equipped with a X60 objective and a 3-CCD camera.

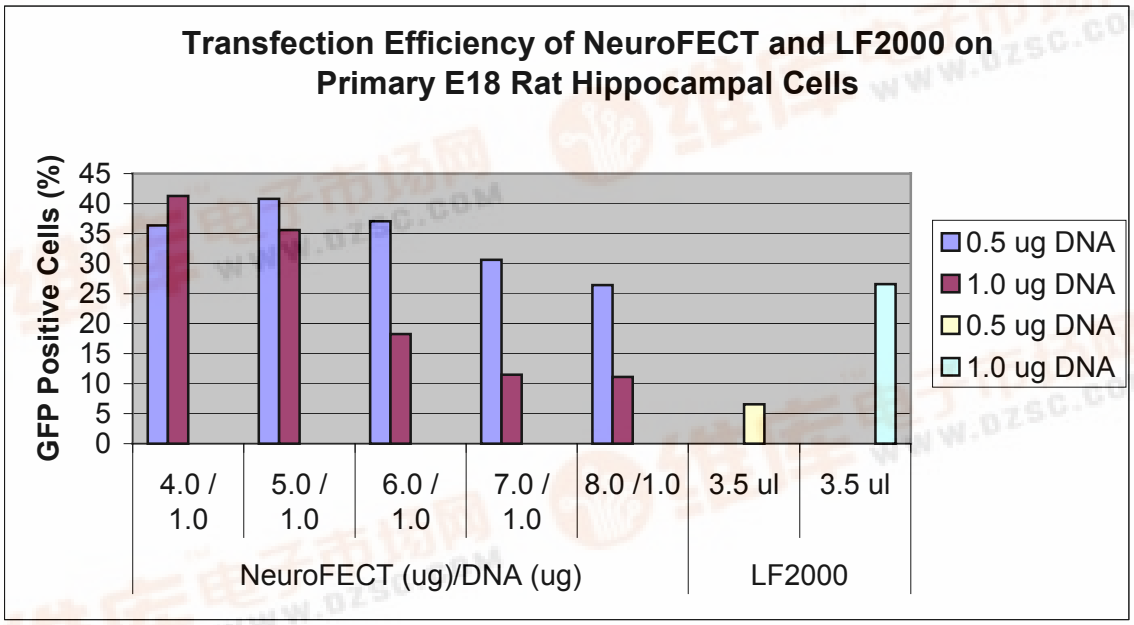


Figure 2: A three-day old culture of NeuroPure™ E18 Primary Rat Hippocampal Cells (6.5 x 10^5 cells/well in 24-well plates) were transfected with 0.5 and 1.0 µg of gWiz-GFP Expression Vector and varying ratios of NeuroFECT™ Transfection Reagent and Lipofectamine® 2000. Transfection efficiency was measure 3 days later by FACS analysis. The transfection efficiency achieved with NeuroFECT™ was up to 41% vs. up to 26% with Lipofectamine® 2000.

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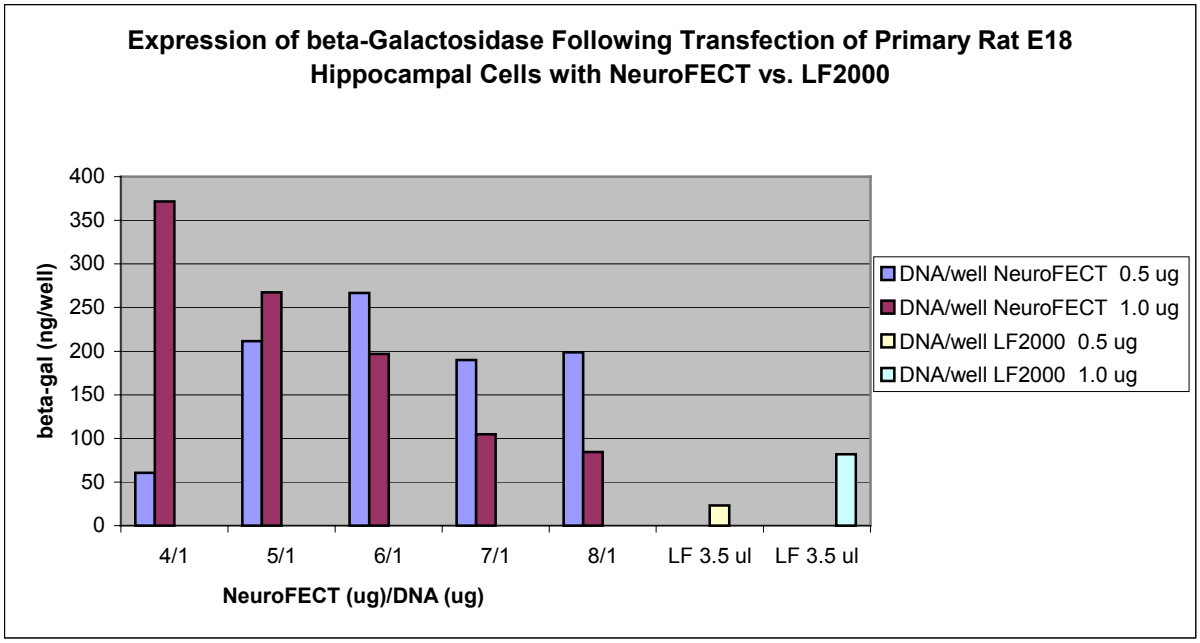

Figure 3: A three-day old culture of NeuroPure™ E18 Primary Rat Hippocampal Cells (6.5 x 10^5 cells/well in 24-well plates) were transfected with 0.5 and 1.0 µg of gWiz-ß-galactosidase Expression Vector together with varying amounts of NeuroFECT™ and Lipofectamine® 2000. Expression levels of ß-galactosidase were up to 4.5 fold higher using the NeuroFECT™ reagent compared to Lipofectamine® 2000.