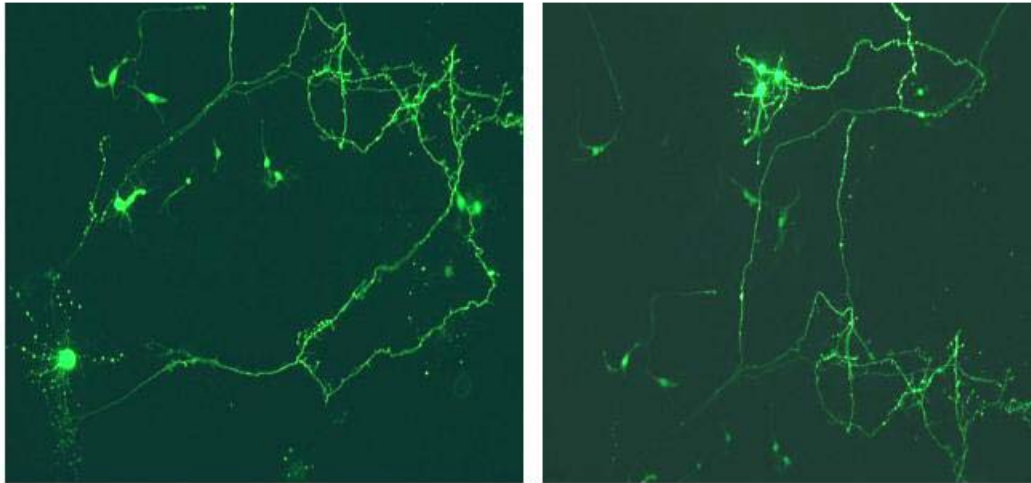
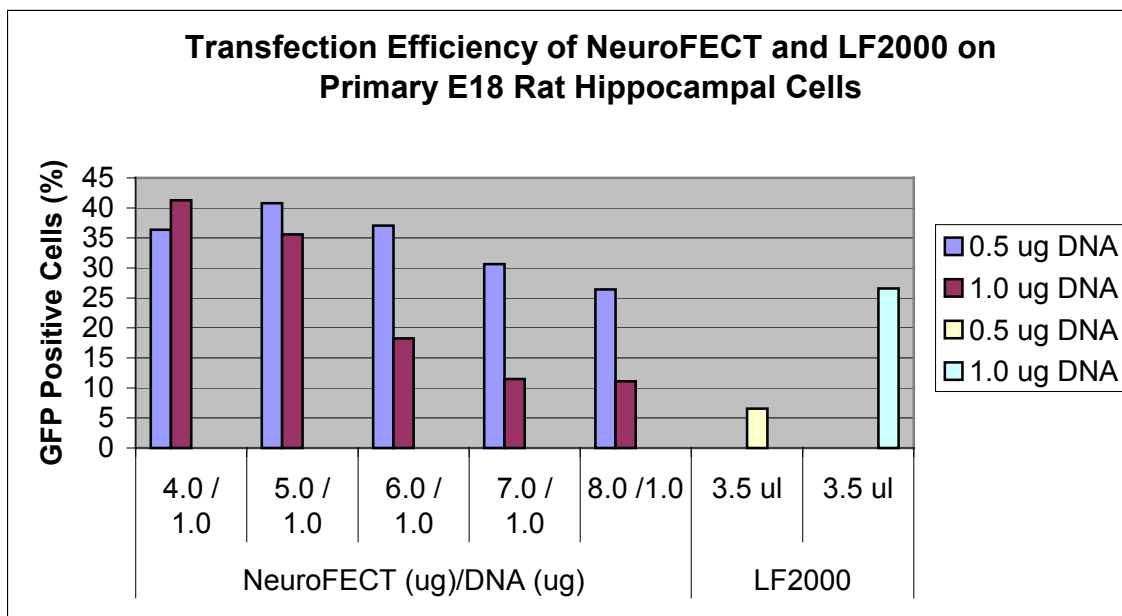


## NeuroFECT™ Transfected gWiz-GFP on E18 Rat Hippocampal Cells

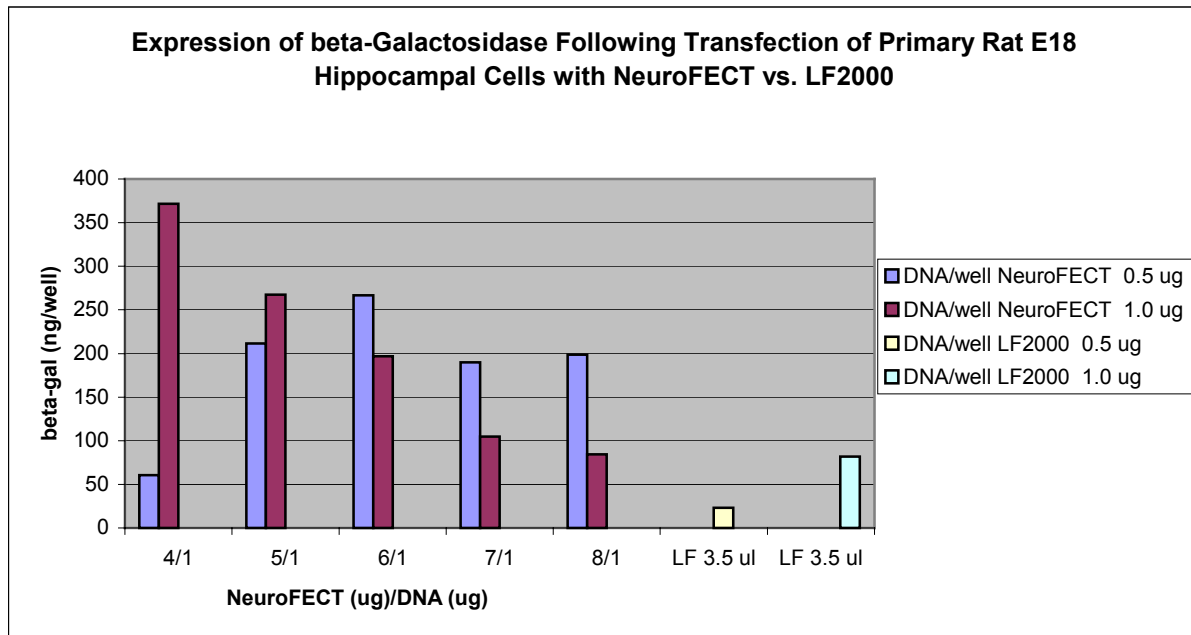


### gWiz-GFP + NeuroFECT

**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 ( $6.5 \times 10^5$  cells/well in 24-well plates) were transfected with 0.5 and 1.0  $\mu$ g of gWiz-GFP Expression Vector and varying ratios of NeuroFECT™ Transfection Reagent and Lipofectamine® 2000. Transfection efficiency was measured 3 days later by FACS analysis. The transfection efficiency achieved with NeuroFECT™ was up to 41% vs. up to 26% with Lipofectamine® 2000.



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