



Cornell University
College of Veterinary Medicine

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iPS Core Laboratory
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Gene Targeting

Description: The iPS core will perform electroporation of targeting constructs provided by the customer into v6.4 (C57BL/6J X 129Sv/Jae, F1) mouse ES cells, or other mouse ES cells provided by the customer. Targeted cells will be grown in selective media until colonies are large enough to be picked and transferred to up to duplicate 96-well plates. Plates will be grown to confluence and cryo-preserved. One 96-well plate will be transferred to the customer for screening of correct targeting by PCR or Southern blot. It is absolutely critical that the customer have a validated PCR or Southern blot assay for detection of incorporation before we begin any work. The core requires that screening results be returned within 1 month. Upon delivery of results by the customer, the core will expand up to 6 clones for [ES cell microinjection](#). Additionally, it is highly recommended that clones be [karyotyped](#) before microinjection. Expansion of additional clones or expansion to larger formats before delivery for validation is possible at increased cost. Please contact the core via telephone or [email](#) to schedule a meeting to discuss the details of your project.

Price: \$800