

DNA Microinjection Request Form
Mouse Genetics Core Facility
Cedars-Sinai Medical Center
Core Director: Makoto Katsumata, PhD
310-248-6523 (x86523), Davis Building 2067

Request #: _____ - _____ Core use only Date: _____ (please submit this form for each construct)

Principal Investigator: _____ Phone #: _____ Email: _____

Office location: _____ Lab Location: _____

Contact person (if not PI): _____ Phone #: _____ Email: _____

Account project #: _____ Account activity #: _____ Account administrator: _____

IACUC Protocol #: _____ Approved? Yes No Expiration Date: _____

Protocol title: _____

Your animal room location: _____ (PI's protocol needs to be fully approved before transferring founders)

Sample preparation

IBC notification submitted?: Yes Date: _____ No (template for EH&S-IBC Biohazard Review form is available)

Construct Name: _____ Promoter/Enhancer: _____

Gene to be expressed: _____ Genomic or cDNA (please attach the map with restriction sites)

Reference: _____

Expression confirmed in cultured cells? Yes No (The core highly encourages you to confirm the expression before injection)

Can the vector sequence be removed from the construct by restriction digestion(s)? Yes No cut Single cut

Insert: _____ kb Other bands: _____ kb Entire BAC: _____ kb (no digestion is necessary for a BAC)

Please submit 5 ~10 µg of your construct after digestion(s) followed by inactivation. Run a mini-gel with 10, 20 and 40 ng of sample with markers and attach the picture. The core will isolate the insert from the vector by running an LGT gel, purify and adjust the concentration for microinjection. A control construct can be injected for free or with a nominal extra charge. BAC requires special purification process with a nominal extra charge.

Founder mice production

Preferred mouse strain: C57BL/6J (JAX 000664) FVB/NJ (JAX 0001800) Other _____

Standard mouse strain is C57BL/6J. User needs to cover the costs of extra breeders and per diem if non-standard mouse strain is used (~\$300 additional).

Do you expect any abnormality in fetus or newborn other than occasional insertion mutation? Yes No

Please describe expected phenotype briefly:

Do you have any PCR primers and/or Southern probes for genotyping? PCR primers Probe(s) No

The core can assist the user in designing PCR primers, initial genotyping by PCR as well as tissue processing upon request with nominal fees. Founder mice will be transferred to the user's protocol regardless of the confirmation (genotyping) status upon weaning.

Core use only

<input type="checkbox"/> DNA injection	Options	<input type="checkbox"/> Primers	<input type="checkbox"/> Tissue prep	<input type="checkbox"/> PCR	<input type="checkbox"/> Strain
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