

Frequently Asked Questions

- Where is the location of TMSR?

We are in ICRC604.

- What is the best time to submit samples?

Between 10am and 4pm.

- What is the waiting time for services?

DNA samples will be injected within two weeks after we receive DNA samples. BAC submitted in Ecoli on a plate needs one extra week to prepare the BAC for injection.

ES/blastocyst injection request will be performed within two weeks after the service request is received.

ES cell electroporation (gene targeting) will be performed within one week after the service request and gene targeting vector are submitted.

- How should I prepare the samples?

DNA injection: Digest 50ug plasmid carrying your transgene with enzyme(s) in 200ul final volume. Check 1 ul on gel to confirm complete digestion. Submit digested plasmid with service request form. We will gel-purify the transgene insert for you.

BAC injection: You may purify and linearize your BAC following [this protocol](#) or submit bacteria on a plate to us and we will purify the BAC and linearize the BAC for you (one regular DNA injection charge will be applied for this BAC purification service).

ES cell injection: You may submit a frozen vial to us and we will thaw the frozen cells (\$100 per clone surcharge for member and \$150 per clone for non-member). You may thaw each ES clone in wells of 24-well feeder plate in serial dilution two days before the injection day and bring the plate to ICRC604 at 11am on the injection day. We need one 50% confluent well for one round of injection. We will trypsinize the ES cell for you before injection.

- When will I receive mice from TMSR?

DNA and BAC injections: 6-8 weeks

ES cell injection: 5-7 weeks