General guidelines on number of mice needed for rederevation (Katya Ravid, Scientific Director): For more details, contact the transgenic core manager (Tel: 617-6385053; email: gmartin1@bu.edu).

<table>
<thead>
<tr>
<th>Type/Strain</th>
<th>Age (min-max)</th>
<th>Males (min-max)</th>
<th>Females (min-max)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excellent Breeders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(proven, and line produce litters of 6+ pups)</td>
<td>Males: 2-9 mo.</td>
<td>3-5</td>
<td>4-5</td>
</tr>
<tr>
<td></td>
<td>Female: 3-10 wk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Breeders</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(not proven, line produces &lt; 6 pups per litter)</td>
<td>Males: 2-7 mo.</td>
<td>3-5</td>
<td>6-10</td>
</tr>
<tr>
<td></td>
<td>Female: 3-10 wk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C57Bl6 background</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Female: 3-8 wk</td>
<td>3-5</td>
<td>Depends on breeding efficiency of line (excellent or average)</td>
</tr>
<tr>
<td></td>
<td>Males 2-7 mo. (&lt;6 preferred)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FVB background</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5-10 wks (7 weeks preferred)</td>
<td>3-5</td>
<td>Depends on breeding efficiency of line (excellent or average)</td>
</tr>
<tr>
<td></td>
<td>Males:2-9 mo (&lt;6 preferred)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heterozygous Lines</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2-10 mo. (&lt;6 months is preferred)</td>
<td>3 males</td>
<td>6-8 Females (can be purchased; age is strain dependant)</td>
</tr>
</tbody>
</table>

Note: Males being used should be set up with females 2 weeks prior to redereivation for 3-5 days, and then housed without female for 5-7 days before redereivation.
The following table was outlined by LASC and the Transgenic Core.

<table>
<thead>
<tr>
<th>DAY</th>
<th>PROCESS STEP</th>
<th>GROUP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Day 0</td>
<td>Mice are transferred to rederivation protocol</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 1</td>
<td><strong>Prepare</strong> PMS Injections</td>
<td><strong>Provide</strong> PMS Injections</td>
</tr>
<tr>
<td>Day 3</td>
<td><strong>Prepare</strong> HCG Injections</td>
<td><strong>Provide</strong> HCG Injections</td>
</tr>
<tr>
<td></td>
<td>Set up donor breeder pairs</td>
<td>LASC</td>
</tr>
<tr>
<td></td>
<td><strong>Set up recipient females with vasectomized males</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td></td>
<td><strong>Make up M2 medium for culture and wash steps</strong></td>
<td>LASC</td>
</tr>
<tr>
<td>Day 4</td>
<td>Plug Checks on donors females</td>
<td>LASC</td>
</tr>
<tr>
<td></td>
<td><strong>Plug checks on recipient females</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td></td>
<td>Oviduct Collection</td>
<td>LASC</td>
</tr>
<tr>
<td></td>
<td><strong>Make transfer needles and anesthetics for rederivation</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td></td>
<td>Wash and delivery to Transcore</td>
<td>LASC</td>
</tr>
<tr>
<td></td>
<td><strong>Isolate and wash embryos 5 times before implantation</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td></td>
<td><strong>Implantation Surgery &amp; recovery</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td>Day 5-25</td>
<td>Daily Husbandry</td>
<td>LASC</td>
</tr>
<tr>
<td></td>
<td><strong>Post-op monitoring and analgesia</strong></td>
<td>Transcore</td>
</tr>
<tr>
<td>Day 25</td>
<td>Birth of Litter</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 26-46</td>
<td>Daily Husbandry</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 46</td>
<td>Wean litter and transfer to LASC quarantine room</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 47-74</td>
<td>Daily Husbandry</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 74</td>
<td>Collect and send out serology/fecal samples</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 75-84</td>
<td>Daily Husbandry</td>
<td>LASC</td>
</tr>
<tr>
<td>Day 84</td>
<td>Read sample results and release from quarantine</td>
<td>LASC</td>
</tr>
</tbody>
</table>