



## Breeding Colony Management and Process Support

tick@lab simplifies the complexities of breeding colony management. With support for any species (including aquatics), users can securely update and access animal data in real time on any device. Alerts and task requests enhance animal care and stakeholder communication while tick@lab's powerful management capabilities (e.g. nomenclature recording and generation tracking) ensure transparency and accuracy.



### Accurately Manage Your Colonies

- Create strains with complete construct information and the possibility to restrict access to selected teams
- Define parental constellations for automatic offspring assignment
- Automate generation recording for offspring
- Derive new strain definition from crossing
- Manage an optional gene/allele database with automatic link to the JAX MGI database

### Effectively Manage Activities at the Animal or Cage Level

- Schedule and assign service requests (mating, genotyping, transfer...) to individuals or groups
- Automate animal identification and numbering with the provision for multiple identifiers
- Gain flexibility in mating management, record plugs found, new litters, weanings and automate genealogy trees
- Enable animal genotyping including sample list exports and the import of results plus integrate with external lab systems, and service providers (e.g. Transnetyx)

### Streamline Breeding Process Support and Administrative Activities

- Derive new strain definitions from crossings quickly and easily from the parental strains
- Enable the capture of breeding activity costs and accelerate billing processes
- Automate compliance checks and track animal numbers against protocols
- Flag health issues, initiate veterinary check requests, and attach notes and documentation to animal records

### Support Accuracy and Standardization

- Create templates for activity documentation and import data from other applications
- Configure e-mail notifications and alerts to support task completion and on-time actions
- Track and query complete animal life cycles in real time and generate detailed event chronologies
- Generate standard and custom reports to assess performance and satisfy regulatory requirements