

Functional features



- ▶ **Visual representation of racks and cages**
 - Allows optimal navigation in animal room and quick retrieval of specific animals or groups of animals
 - Prevention of mix-ups of animals
- ▶ **Animal census & cage capacities are easily and quickly accessible on all levels**
 - For entire facility, for unit, for room, for rack
 - In absolute and relative numbers, - sorted by species
- ▶ **Highlighting all routine tasks that are due in animal rooms**
 - Users are specifically guided to visually highlighted units, rooms, racks, cages in which specific tasks are due
- ▶ **Workflow management in animal rooms for optimal communication**
 - For all routine tasks
 - Assures that no tasks get forgotten and supports users while performing tasks
 - All documentation requirements are done on-the-fly
 - Minimises coordination requirements & failures when fluctuating staff works in the same unit
- ▶ **Easy access to all animal related data**
 - Including easy tracking of parents and offspring
 - Including digital patient file e.g. for animals in experiments annotated with user, date and time
 - Role-based access control assures that only users with permits have the right to access animal data
- ▶ **Documentation of actual severity for the individual animal**
 - According to current legal frameworks
 - With user, date and time including severity tracking over time
 - Can be entered for single or multiple animals at once
- ▶ **Dedicated strain-/line administration**
 - That fulfils all documentation requirements according to genetically modified organisms (GMOs)
 - Including detailed documentation of modified genes and alleles
 - Documentation whether strain/line is genetically modified, stressed (EU) and/or cryopreserved
 - Including direct hyperlink to MGI and Gene-ID
- ▶ **Administration of project licences/IACUC protocols/TVAs**
 - Census and prospective severity assessment according to current laws
 - Possibility to add attachments (up- and downloadable for all project license users, protected ones are only up- and downloadable for animal welfare officers)
 - Approval of licences only by IACUC board (USA) or the animal welfare officers (EU)
 - After approval by animal welfare officer no changes can be made to project licence by other user groups
- ▶ **Project-/colony-administration**
 - Dedicated administration and management of experiments and breeding colonies
 - Distinction between breeding colonies of strains/lines that require project licence (stressed strains) and that are approval free (EU)
- ▶ **Sampling module**
 - Biopsy requests are automatically generated by the system at time points that have been configured for specific breeding projects or groups of animals after weaning or at specific age in days
 - Supports all marking and biopsy types
 - Exact traceability of biopsies & samples
 - Process-driven and dialogue-guided biopsy/ sampling procedure allows taking and handling of biopsies without any paper-based animal lists
 - Easy retrieval of biopsies/ samples in the system
 - Visualized biopsy/ sample plate view
 - Documentation of genotyping results for individual animals or groups of animals at once
 - Documentation of genotyping results via biopsy plate view or from any animal list
- ▶ **Mating module**
 - Specific mate request tool lists all potential mating partners for a specific target strain and prevents irregular mating
 - Breeding number: unique number for each mating pair assists in the easy management of inbreeding as well as outbreeding schemes
 - Automatic due date calculation of expected pups, based on reproductive biology of respective species & mating start date
 - Automatic due date calculation of weaning & scheduled weaning requests accessible
 - Modification to settings possible on breeding project level
- ▶ **Veterinary module**
 - Highlighting of sick or abnormal animals (by status symbol)
 - Complete documentation of sickness and abnormality history, including treatments, user, date and time
- ▶ **Assignment module**
 - Free text tasks for elimination, sampling & shipping for a specific animal and groups of animals
 - Configurable requests & approval workflow
- ▶ **Reporting functions**
 - report of animal and cage numbers e.g. for billing purposes
 - listing by scientific group, unit, rooms, species and distinction between breeding animals and non-breeders
 - reporting intervals are freely configurable
 - Animal census at defined intervals or per diems for billing purposes are available
 - Reports for animal usage available that are fully compliant with international legal frameworks and national and local requirements