



Dynasys[®] RFID Animal Care Warehouse Management System Breeding Module

Breeding Request Form

- Online form for PI's to request a breeding project be started.
- Form can be customized to include whatever necessary questions you have with respect to getting the breeding project started. A sample form can be provided.
- Status of these requests can be tracked by the investigator.
- Breeding staff can assign project types to projects such as:
 - Easy to Breed. Average Breeding, , Moderate Breeding
 - Difficult To Breed
- Breeding staff always has access to these project requests.
- Once the request is approved, the Project Request # becomes the colony number.
- Sample of some questions that could be asked:
 - Contacts for different parts of breeding project, such as Genotype Contact, Shipping Contact, and Primary Breeding Project Contact.
 - Mouse background information including strains, coat color, type of mutation, etc.
 - Husbandry details such as lethality, average litter sizes, life expectancies, and any special husbandry requirements
 - Project Requirements such as the goal of the project, what is the purpose of this particular strain, duration of the project, etc.
- When projects are completed, their status can be changed to "Completed."

Breeding Inventory

- Track all breeding mice.
- Track the following based on Mouse # (assigned when inventory is input)
 - Cage Card
 - Animal ID
 - Source (Vendor or In House)
 - Status (Breeder, Weaned, Sac'd, etc)
 - PI
 - PI Colony #
 - Protocol
 - Sex
 - Strain
 - Date of Birth
 - Date of Death
 - Location (Breeding Colony or General Husbandry)
 - Generation
 - Genotypes
 - Any other comments
- If requested, PI's can access their colonies inventory and see whichever details are specified.

Dynasys Technologies[®] 800 Belleair Road, Clearwater FL 33756 USA

Phone: (727) 443-6600 Fax: (727) 443-4390

www.DynasysAnimalCare.com www.DACWMS.com www.RFIDusa.com



Dynasys® RFID Animal Care Warehouse Management System Breeding Module (features continued from page 1)

Mating Records

- Mating records are used to track the mating of mice. The mice will come from the breeding inventory.
- Track the following information:
 - Cage Card #
 - PI , PI Colony #
 - Protocol
 - Date of Mating
 - Wean Strain , Wean Generation
 - Location Type (Breeding or General Husbandry)
 - Comments
 - Mouse ID's to be mated.

Weaning Records

- Weaning records are created after the mice are weaned. These records can pre-populate information located on the mating records.
- Track the following information:
 - Mating Record #
 - PI, PI Colony # , Protocol
 - Wean Strain, Litter #
 - Location Type (Breeding or General Husbandry)
 - Date of Birth , Date of Weaning
 - Genotypes
 - Total Number of Pups (broken down into # of males and # of females)
 - Status (Breeder, Wean, Sac, etc)
 - Generation
 - Comments
- As weaning records are creating, the mice are then automatically insert into the mouse inventory under the appropriate colony #.

What can our investigators see?

- Investigator views can be customized upon software development agreement. The following lists the standard views included.
- Investigators can submit new breeding requests.
- View Breeding Requests and request status (Read Only)
- View all mouse inventory with respect to the PI that is currently logged in. Mouse inventory views will include all data that is recorded unless otherwise specified.
- View all mating records, and the status of the records. (Read Only)
- View all weaning records (Read Only)

MISC

- Genotypes can be managed centrally by the breeding staff, who have access to control the list of all genotypes.
- Strains are recorded into dropdowns but are identified by PI's, due the large variety of available strains. When creating a certain record, if the strain isn't there, it can be created on the same screen.

Integration of the Breeding Module with the RFID Census Module

- Breeding staff can create cage cards that are customized differently from the general husbandry cage cards.
 - Example: Breeding Colony numbers can be printed directly on the cards.
- Cage cards can be transferred from the breeding colony directly into general husbandry.