

## Xigmatrack Vivarium Management System (VMS)

### Affordable and Easy Vivarium Management

Xigmatrack **VMS software** is affordable and easy to install. The system is feature rich with an intuitive user interface that maximizes efficiency and optimizes labor productivity in vivariums of all sizes. This software provides all the basic functions for comparative medicine operations, including animal care and inventory, occupancy rates, cage wash, receiving, shipping, as well as management features such as queries, reporting, scheduling and barcode labeling.



### Xigmatrack VMS

## PRODUCT FEATURES

- Protocol Tracking
- Realtime Physical Inventory
- Realtime Animal Moves and Transfers
- Realtime Animal Health Reporting
- Actual Holding Room Utilization
- Holding Room Scheduling and Availability
- Cage Change Scheduling
- Animal Care Technician Utilization
- Realtime Cage Changing Data
- Cage Wash Personnel Utilization
- Realtime Cage Wash Process Data
- Paperless Animal Receiving
- Terminal Messaging
- Directed Cage Changing
- Asset Tracking
- Permanent Bar Code Labeling
- Multiple Units of Measure
- Multiple Native Languages
- Multiple Site Capability
- SQL Server Ready

### Support for Barcode Scanning and RFID

**VMS** uses a state of the art barcode scanning and RFID data collection system which run on many popular portable data terminals (PDT) and PDA's suitable for use in vivariums. These devices support barcode and RFID reading, mobile computing and wireless networking. The PDA/PDT applications built into Xigmatrack utilize the latest Microsoft handheld computer operating systems and can support legacy operating platforms. Hardware may be purchased separately or as part of a complete Xigmatrack package.

### Flexibility and Upgrade Options

Xigmatrack **Vivarium Management System** is completely scalable using an SQL database back end to provide a cost effective upgrade path. Database and portable/workstation computer licenses can be easily added which allow integration of multiple vivariums and additional users into a single system, without the need for major changes. **VMS** includes Microsoft Database Engine (MSDE) which can easily migrate to Microsoft SQL server, depending on current and future client needs. Any installation can manage dozens of users and hundreds of thousands of lab animals with superb response.

### Support for Multiple Natural Languages

Spain, France, Belgium or Arkansas, it doesn't matter where your comparative medicine facility is located, as **VMS** always speaks the local language.

### Barcode Labels

Xigma Engineering Services has developed a permanent bar code marking system specifically for use in vivarium operations. Our proprietary marking system eliminates the need for adhesive tags and ink markings. Bar code data is etched directly onto the cage, cart, rack (or anything else for that matter) and can withstand an unlimited amount of wash and sterilization cycles. The process is also completely portable so barcode marking can be done conveniently at your facility.



### Receiving

Xigmatrack provides documented and stored procedures that provide complete order and receiving data from the supplier to your facility. Within minutes, integrators can use these procedures to link supplier/carrier shipping information to Xigmatrack for tracking of animal shipments.

### ERP and Accounting Systems

Xigmatrack provides several tools and means to effectively link data generated from vivarium operations with other back office systems.

### Import - Export Utility

Utility software is provided within VMS to populate the vivarium management database and export from it. Frequency of transfer may be established as an option and data transfers run as a background operation which do not require user intervention.

**For more information about Xigmatrack Vivarium Management Systems please contact our sales department at Xigma Engineering Services, LLC, or e-mail us at [sales@xigmaworks.com](mailto:sales@xigmaworks.com)**

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