TECNIPLAST
innovation through passion

DVC LITE™
CAGE MANAGEMENT SYSTEM

Go Lite!

Run smooth. Manage smart.

DIGILAB

![DVC Lite Cage Management System logo]

DVC LITE
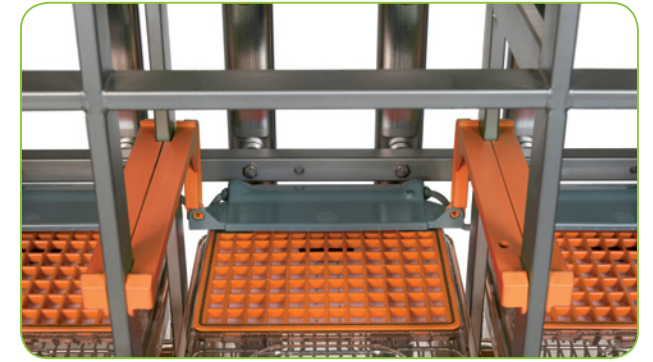CAGE MANAGEMENT SYSTEM

Run smooth. Manage smart.

- Improve the work flow of your daily operations
- Grow at your own pace based on your budget

DVC™ Lite features five modules that allow Facility Managers and Veterinarians to optimize the programming and utilization of resources to smoothly run daily operations.

Why DVC™ Lite?
DVC Lite will allow you to:

- Increase revenue through accurate and timely invoicing
- Optimize cage space allocation
- Quickly find and identify cages that need attention or follow up
- Improve the facility's operational work flow and efficiency
- Improve animal welfare and prevent animal loss

Scalable growth based on budget

- DGM or 2GM racks may be retrofitted at any time.
- DVC Lite and DVC components are standarized, so you can continue to digitally upgrade your facility at your own pace.
- You have the potential to expand and incorporate data analysis (DVC Analytics Module) to meet the researchers' needs.

Cage Inventory

Remotely detect and locate real-time cage occupancy

DVC Lite can perform real-time cage inventory and generate occupancy and per diem reports.

The Cage Inventory Module can be integrated with the facility's existing Animal Management System (AMS) for optimized colony management, as well as billing and invoicing.

It is possible to automatically track cages over a period of time or for the duration of a study.

Cage Identification

Quickly identify cages that need attention or follow up based on study protocol

Sensors located on the rack runners activate an LED light to identify any cages in need of more follow up.

The interface will give the operator a snap shot of the rack (Rack View) identifiying missing cages or cages that require attention.

Operational Planner & Space Allocation

Improve the operational workflow and optimize the use of resources

Facility Managers can assign tasks based on staff skills and availability.

This Module allows managers to prioritize the workflow during emergencies or when a breakdown occurs, and allocate workload based on health considerations and barrier restrictions.

Available cage space can be identified and reassigned to Principal Investigators (PI's) when needed.

Cage Change Planner

Customize your cage changing schedule to avoid unnecessary work and reduce operational costs

The Cage Change Planner of DVC Lite allows Facility Managers to schedule the cage changing based on calendar, number of animals, or research protocols.

The module could help avoid unnecessary cage washing and autoclaving reducing animal handling (stress), and labor and bedding costs.
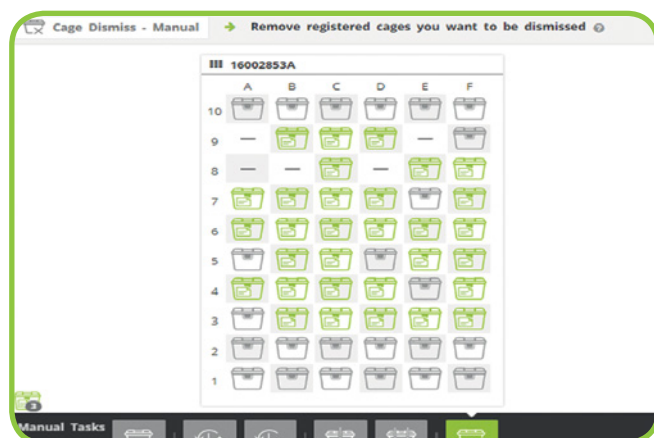
Leak Detection

Prevent the loss of animals and reduce the risk of hypothermia due to AWS leakage or flood
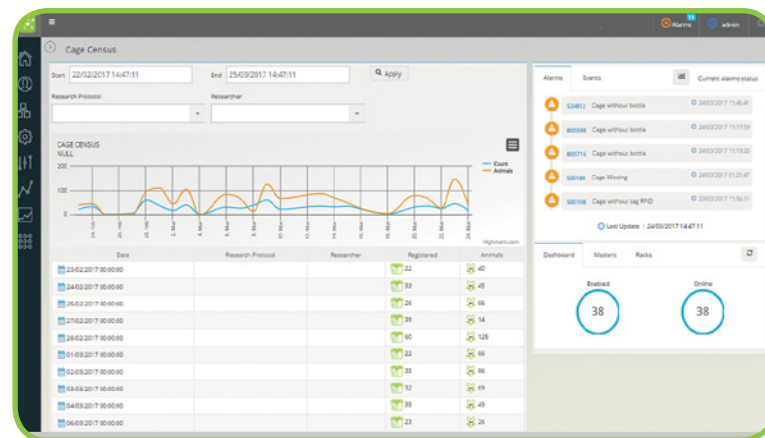
DVC Lite detects water leakage inside the cage as small as 100 to 150 ml.

When a leakage/flood occurs, the system sends an alarm to the operators for immediate action to save the animals.
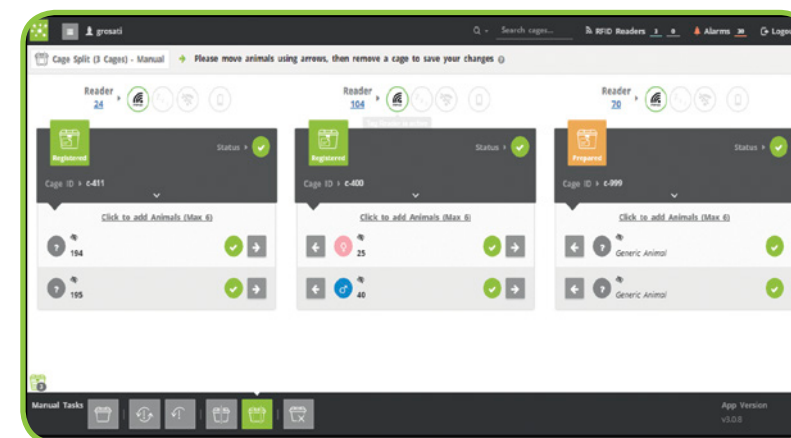
Intuitive and user-friendly interface

The Rack View screen allows operators to quickly identify the cages on the rack that are missing or need attention.

The web-based interface allows to remotely monitor and manage all the cages registered in the system and to generate real-time inventory reports.

Operators can quickly identify and track assignments, update statuses, and generate reports, using the interface system's intuitive icons.

Comparing DVC Lite to DVC

Module	DVC Lite	DVC
Cage Inventory	🟢	🟢
Cage Identification	🟡	🟢
Operational Planner & Space Allocation	🟢	🟢
Cage / Bedding Changing	🟡	🟢
Leak Detection	🟢	🟢
Animal Activity	⚫	🟢
Food & Water	⚫	🟢

🟢 Full Version   🟡 Light Version   ⚫ Not applicable

![DVC LITE - CAGE MANAGEMENT SYSTEM]
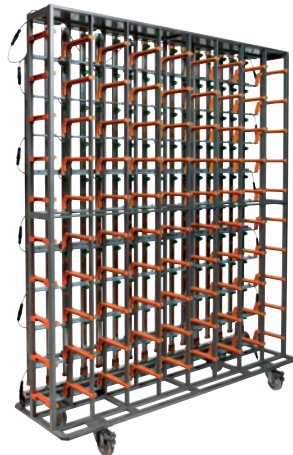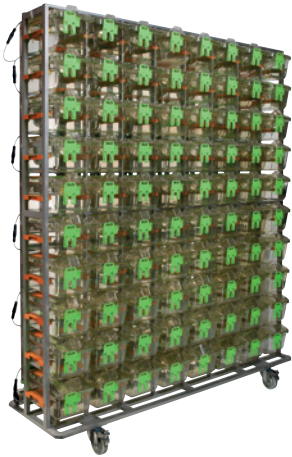
System Components

The standard components of DVC™ Lite are:

- Cage rack with DVC Lite plates and dedicated runners for each cage position
- RFID tagged cage tops for every cage on the rack
- DVC top holders
- RFID readers with a charger
- DVC master
- DVC software

Requirements

- Ethernet connectivity in the animal room where the DVC master will be installed
- Wireless or wired connectivity to the DVC server
- A laptop or tablet for the operator to access the DVC Lite web application
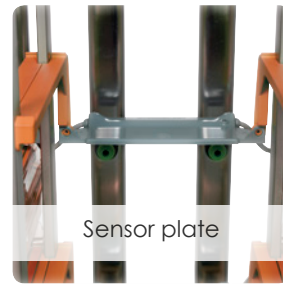- Additional IT requirements apply. Ask for details.

Sensor plate

Master

DVC Top holder

RFID reader

Rack with and without cages

Charger with two RFID readers

Reader inside Top Holder

More Information

- One DVC master manages up to four (4) single-sided or two (2) double-sided racks.

- The DVC master is installed on the Air Handling Unite (AHU) and operates independently.

- The racks with DVC Lite plates are washable and autoclavable. The plates have been tested through autoclave cycles at 121°C/250°F, simulating a life span of more than five years (three autoclaving cycles per year), while maintaining full functionality. A test report is available upon request. All the other system components are not autoclavable.

- The DVC Lite rack and cages can be washed in a standard rack washer or a tunnel washer. Chlorine-based detergents should not be used. See recommended SOPs for details.

- When using DVC Lite, the cage change can be done on a changing station, a biosafety cabinet, or even table top.

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