



ABOUT THE SYSTEM

6





DVC has SEVEN MODULES which continuously capture and record data about conditions, events, and activity inside the cage without disturbing or affecting the animals.



An external capacitive sensor plate detects activity, captures the data and sends it to a central server where the DVC application is running.





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



Example of the Operator Interface during bedding changing

By using digital technology, the DVC brings standardization for the improvement of animal welfare, facility operations, and research.



Cage Census \mathbf{OOO} & Location

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 identifying missing cages or cages that require attention.

Remotely detect and locate real-time cage occupancy

DVC 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.



Filter top with RFID tag for cage identification and location



System Components

The standard components of DVC are:

- Cage rack with DVC 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 to access the DVC web application
- Additional IT requirements apply. Ask for details.

Single configuration

Double configuration



Charger with two readers



COMPANY WITH

QUALITY SYSTEM

CERTIFIED BY DNV GL



Reader in Top Holder









More Information

- One DVC master manages up to four (4) singlesided or two (2) double-sided racks.
- The DVC master is installed on the Air Handling Unite (AHU) and operates independently.
- The racks with DVC 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 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, the cage change can be done on a changing station, a biosafety cabinet, or even table top.



COMPANY WITH

ENVIRONMENTAL SYSTEM

CERTIFIED BY DNV GL

For more information contact your representative or email USA: info@tecniplastusa.com | CANADA: info@tecniplastcanada.com All other countries, please contact info@tecniplast.it

www.tecniplastusa.com www.tecniplastcanada.com

