



ABOUT THE SYSTEM

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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 system's interface allows facility managers to monitor the status of a cage or the cage system in the animal room at any given time.



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.



Detect cage occupancy and locate cages rapidly and in real-time

DVC[™] can perform cage census in real-time and locate every cage in the facility.

This module can be integrated with the facility's management software for cage management, billing and invoicing.

Cage Census is also available as a stand-alone module for the standard IVC racks: DGM and 2GM.



When the DVC™ detects a cage that needs attention, a LED light located in the runner turns-on to identify the cage.

SYSTEM COMPONENTS



Components & Requirements

The DVC[™] standard components are:

- DVC[™] rack with plates & dedicated runners for each cage position
- RFID tagged tops for each cage in the system
- Top holders
- RFID readers with charger
- DVC[™] master
- DVC[™] software

Contact your representative for details.

Requirements

- Ethernet connectivity in the animal room where the DVC[™] master and racks are installed.
- A laptop or tablet for the operator to access the DVC[™] web application through wireless or wired connectivity to the DVC[™] server.
- Additional IT requirements are needed. Ask for details.

Single configuration

Double configuration



Charger with two readers





Reader in 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 AHU and operates independently.
- The DVC[™] cages and racks with plates are washable and autoclavable. The plates have been tested through multiple autoclave cycles at 121oC, simulating a life span of more than eight years (three autoclaving cycles per year), without affecting their functionality. Test reports are available upon request. All other system's components are not autoclavable.
- The DVC[™] rack and cages can be washed in a standard rack washer. Cages can also be washed in a tunnel washer.
- When using DVC[™], the cage changing procedure can be performed on either a changing station, a biosafety cabinet or even a table top.





For more information about the DVC contact your representative or email USA: info@tecniplastusa.com | CANADA: info@tecniplastcanada.com