



Cage Guard

The Comprehensive Home Cage Monitoring Solution

With the *Cage Guard* system, you really know what is going on in your cages. This solution provides real time data about, drinking, feeding, activity, temperature, humidity, light intensity and an additional analog input of your choice.

How does it work?

The stainless steel mounting unit with the data logger on top contains all sensors and the scales for the drinking and feeding measurements. The unit is powered via a standard Ethernet network cable that also sends the data to the computer.

Only one cable for power and data.

Scalability

Because electrical power and data share one cable, it is very easy to setup a large number of cages. All cages are daisy chained with a standard Ethernet network cable.

System Architecture

In the standard installation, the *Cage Guard* hardware is installed in the animal room and the *Cage Guard* software is installed on a computer that is directly connected with the cages. To control the experiment or analyze the data one has to be present in the room where the cages are.

In the enhanced installation, the *Cage Guard* software is running on an Application Server in the animal room and you can log on to the system from anywhere else with the *Cage Guard* client software. This option allows you to control and view the experiment from different computers at different locations with the over the intra- or the internet. With this solution, different experiments can be performed at the same time and different individuals can simultaneously use the system.

Data Acquisition & Analysis

All data are analyzed and presented in real time in tables and graphs. Data can be pooled already during the experiment. Extensive analysis tools enable you to correlate the data of the different sensors.

Various export formats (xls, txt, xml, csv, html) are provided to work with the data in other applications.

Please visit our website www.biobserve.com for more detailed information about the *Cage Guard* system.

