

Measuring The Amount Of Oxygen Used By A Rat During Exercise

Seriously, one day while exercising his lab rat, a technician at ACME Medical postulated that if he had a way to measure how much O₂ was going to the rat, he could determine how much O₂ his rat used while exercising.

Why on earth would he want to do this experiment, who knows, but it allows me to tell you about another test system in which an Alicat device could be used.

Since I am not aware of an O₂ mask in “rat” sized dimensions, he would have to place the rat and an exercise wheel in a CLOSED chamber.

Then by accurately controlling the amount of O₂ being fed into the chamber, with an **MC-xSCCM-D** controller, he can analyze how much CO₂ (CO₂ accumulator) is produced by the rat and how much O₂ remains (O₂ analyzer).

Thus, he can use his findings to determine how much O₂ the rat used during exercise.

- Alicat devices are used for many purposes.
- No matter what the application, if precision control and repeatability are important to your application, Alicat has the device for you.
- Alicat engineers are here to assist you with setting up of your application, if necessary.

