

## CO<sub>2</sub> Chamber Displacement Rate for Mouse Shoe Box Caging

### Maximum 70% Chamber Displacement Rate

#### Small Mouse Shoe Box Cage (Allentown)

Inside Dimension: 11" x 6.75" x 5" = 371.25 in<sup>3</sup>

371.26 in<sup>3</sup> x 0.70 (70% chamber displacement) = 259.88 in<sup>3</sup>/min (flow rate wanted)

259.88 in<sup>3</sup>/min divided by 61.02 for l/min = **4.26 l/min**

- Best practice is to use a flow rate in the middle of a gauge.
- Recommend using **Model LC500** CO<sub>2</sub> Flowmeter with a flow rate range of **1.0 to 10 l/min.**

#### Large Mouse Shoe Box Cage (Allentown)

Inside Dimension: 18" x 9.25" x 5" = 832.50 in<sup>3</sup>

832.50 in<sup>3</sup> x 0.70 (70% chamber displacement) = 582.75 in<sup>3</sup>/min (flow rate wanted)

582.75 in<sup>3</sup>/min divided by 61.02 for l/min = **9.55 l/min**

- Best practice is to use a flow rate in the middle of a gauge.
- Recommend using **Model XL900** CO<sub>2</sub> Flowmeter with a flow rate range of **3.0 to 25 l/min.**

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