**二氧化碳安乐死系统操作使用说明**

1. 检查通气阀门有无关闭，通气管连接处是否连接完整。
2. 检查压力表读数是否为0。若读数为零，则应按照下方操作规程切换供气源，并通知实验动物中心以便及时更换气瓶。
3. 将实验动物放入透明通气箱，盖好盖子。
4. 将上面黑色阀门逆时针旋转90°，小鼠至少持续1-2min，大鼠至少持续2-3min，待观察到小鼠无呼吸或大鼠瞳孔散现象后，再持续通气1min以确保动物死亡。
5. 顺时针关闭阀门至水平。
6. 将动物尸体取出，装入自封袋，放入动物尸体间冰柜。
7. 将透明通气箱内清理干净，用消毒剂喷雾消毒箱体底部，打扫安乐死房间。
8. 盖上盖子，带走自身物品。

**切换供气源操作规程**

1. 查看气瓶压力表，当某气瓶上的两块压力表读数均为0时，则表示气瓶缺气。
2. 将缺气的气瓶上方黑色阀门旋转至水平方向。
3. 将另一个气瓶上方黑色阀门旋转至竖直方向。
4. 注意，任何时候压力表A的读值均应小于或等于0.4 MPa。
5. 如有任何问题，请及时联系何晓亚（phone：81912662）。

Operating Instructions for Carbon Dioxide Euthanasia System

1. Check whether the valve is closed and whether the pipe connection is complete.
2. Check whether the pressure gauge reads 0. If the reading is zero, the gas supply source should be switched according to the operating procedures below, and the laboratory animal center should be notified to replace the gas cylinder in time.
3. Put the animals into the box and cover it well.
4. Rotate the valve counterclockwise 90° for 1-2min in the mice or 2-3min in the rats. After no breathing in the mice or dilation of the pupils in the rats was observed, continue venting for 1min to ensure the death of the animals.
5. Close the valve clockwise to the level.
6. Take out the animal carcasses, put them into the ziplock bag and put them in the freezer of the animal carcasses.
7. Clean the box, use disinfectant spray to disinfect the bottom of the box, and clean the euthanasia room.
8. Cover the box well and take your belongings with you.

Operating procedure for switching air supply

1. Check the gas cylinder pressure gauge. When the readings of the two pressure gauges on a gas cylinder are both 0, it means the cylinder is short of gas.
2. Rotate the black valve on the top of the gas cylinder to the horizontal direction.
3. Rotate the black valve above the other gas cylinder to the vertical direction.
4. Note: The reading value of pressure gauge A should be less than or equal to 0.4 MPa at any time.
5. If you have any questions, please contact Xiaoya He in time(phone：81912662).