TROUBLESHOOTING AEROSOL ACCESSORIES

This guide helps verify correct configuration of flexiVent aerosol accessories and troubleshoot issues associated with aerosol generation.

HARDWARE CONNECTIONS

Make the following connections and ensure that the cables are firmly seated:

» Insert **Lemo Connector** (red, Figure 1) in **AUX Port 1** (back of flexiVent)

» Insert **Aeroneb Head Connector** (blue, Figure 1) in **Aeroneb Head** port

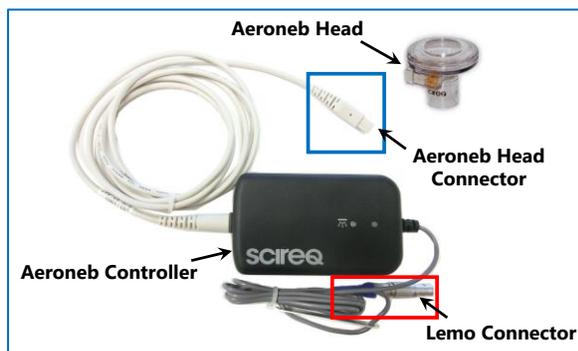» White cable is well-connected to **Aeroneb Controller**

Figure 1. Aeroneb accessory hardware

NOTE: Due to lack of ionic charge, deionized water *does not* nebulize, please use phosphate-buffered saline (PBS).

AERONEB CONTROLLER STATUS

There are two LED lights on the Aeroneb Controller, please note the following:

» **Power LED** (red, Figure 2) illuminates with a solid blue light when the flexiVent is powered-on

» **Nebulization LED** (blue, Figure 2) flashes a blue light *ONLY* when nebulization is active, ie. mist is generated
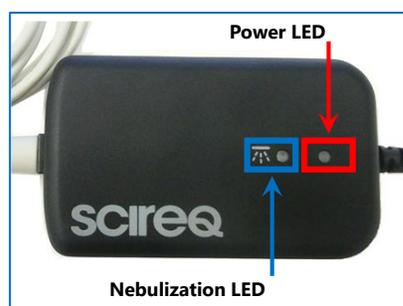

Figure 2. Aeroneb Controller status LED lights

SOFTWARE CONSIDERATIONS

Please follow the instructions below:

1. Launch the flexiWare software and enter an Experimentation Session

2. Select an Aeroneb associated template, marked by AN (example *FlexiVent FX Mouse AN* in red, Figure 3)

Figure 3. Template selection

3. During Aeroneb Priming, hold and visually inspect the Aeroneb Head, note the following:

» Aeroneb Head generates aerosol/mist

» Nebulization LED flashes when mist is generated

4. From an experimentation session, please *right* click in the **Task*s*** docker and select *Show All Hidden Tasks* (Figure 4)
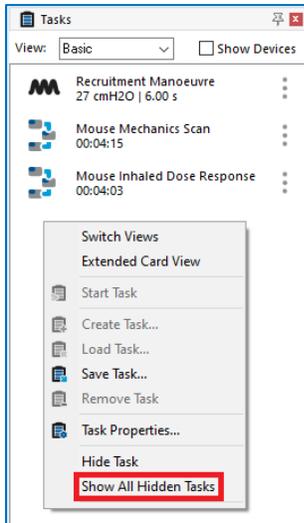

Figure 4 . Task Docker – Show All Hidden Tasks

5. Click Nebulizer Task Properties (red, Figure 5)

Figure 5 . Nebulizer – Task Properties

6. In the Task Properties panel, under the *Nebulizer* section, verify that the *Collector Task* is listed as *Dose Response* (see Figure 6).
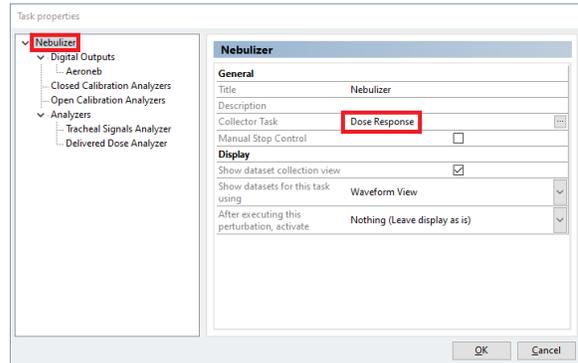

Figure 6 . Collector Task – Dose Response

7. In the Task Properties panel, under the *Digital Outputs* section, verify that *Aeroneb* is listed and checked, below *Active Digital Outputs* (see Figure 7)
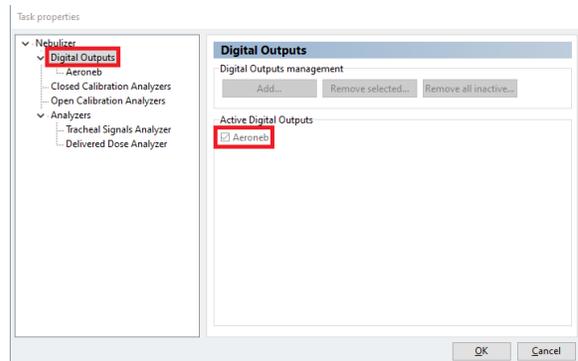

Figure 7. Digital Output – Aeroneb

NOTE: Should nebulization issues persist, please contact support for additional recommendations.

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