

## CO2 and temperature settings for live cell imaging with the Deltavision microscope

### 1. Live cell imaging recommendations:

#### a. Chambered coverslip (1.5#)



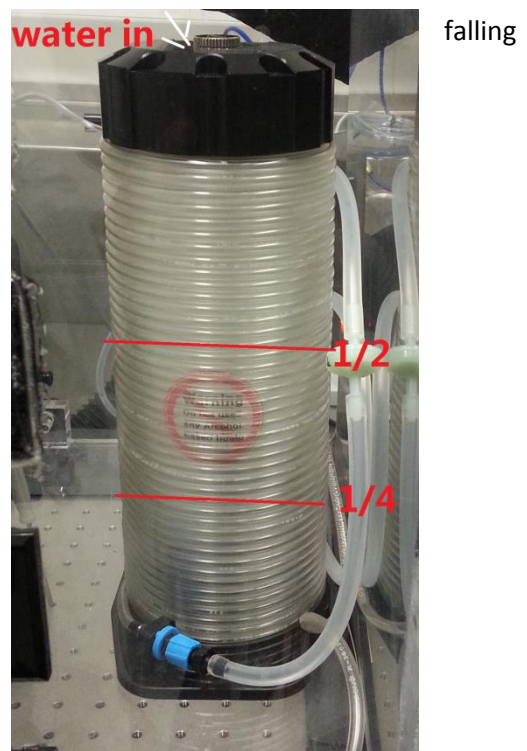
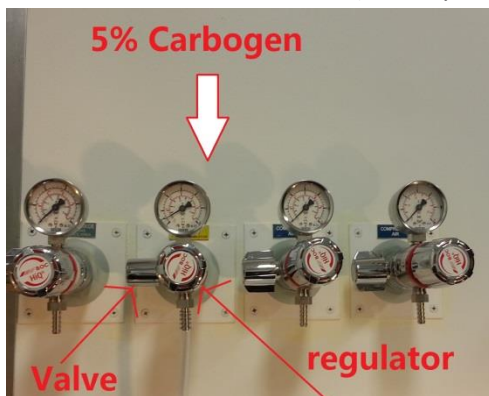
#### b. 35mm or 40mm petri dish with 1.5# coverslip



### 2. Warm up the weather station **at least 1 hour** in advance to settle the temperature to 37°C and 5% CO2.

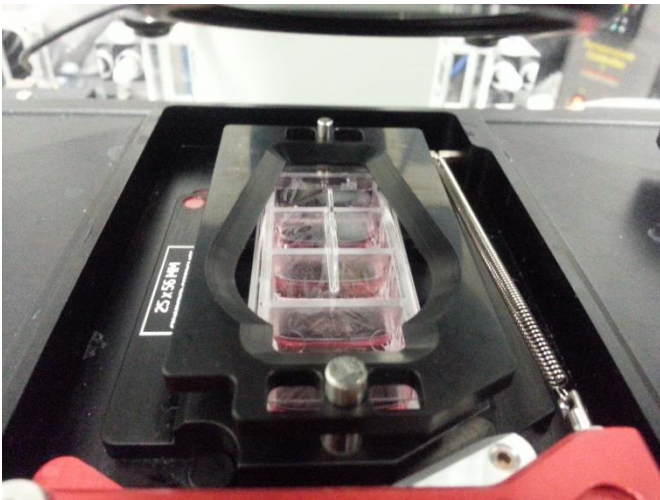
**Step 1:** check water level in the humidifier is in 1/4-1/2 of the total height (use provided autoclaved distilled water) (right picture)

**Step 2:** open the carbogen valve in the arrow direction and then turn on the regulator clockwise to the marked line (below picture)

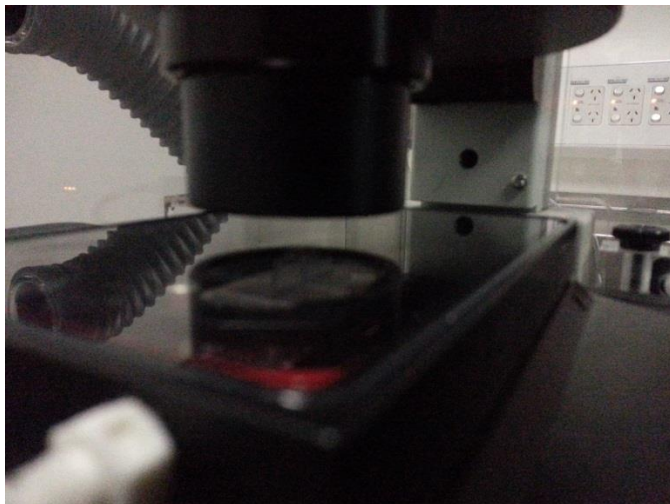


**Step 3:** turn on the heating and fan of the weather station. Slowly adjust the flow till it reaches “3” (right picture)

**Step 4:** set up the specimen like this (for warm up, you can use a used chamber to seal CO2 leakage and later replace with your own sample container) (below picture):



**Step 5:** cover with the lid (below picture)



3. Contact Dr. Hong Yu for assistance:

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