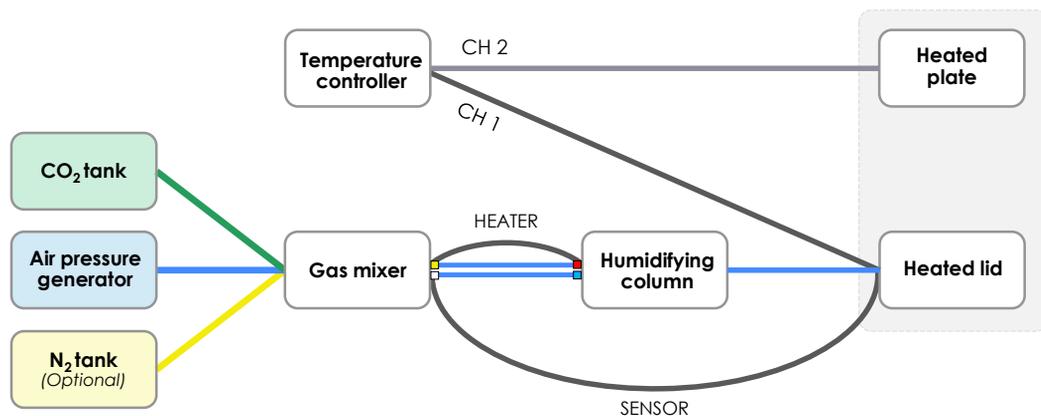


This Installation Guide provides instructions for installing the onstage incubation system for the CELENA<sup>®</sup> S. For detailed instructions, refer to the provided user manuals.

### ORDER OF INSTALLATION

1. Connect all tubes and cables.
2. Fill the humidifying column with 130 mL ultrapure water.
3. Turn on all gases to 1 bar of pressure.
4. Turn on the gas mixer and temperature controller and set the settings as desired.

### CONNECTIONS



#### Gas mixer

##### Inputs

- CO<sub>2</sub>: green tube → CO<sub>2</sub> tank
- Air/O<sub>2</sub>: blue tube → air pressure generator
- N<sub>2</sub>: yellow tube → air pressure generator

##### Outputs

- Blue tubes → Humidifying Column
- Heating connection → Humidifying column
- Humidity sensor → Heated lid

#### Temperature controller

- Channel 1 → Heated lid
- Channel 2 → Heated plate

### STAGE ASSEMBLY

1. Place the CELENA S vessel holder frame on a flat surface.
2. Place the heated plate in the vessel holder frame.
3. Place a heating insert in the heated plate.
4. Place the heated lid on top of the heated plate.
5. Place the assembled incubator on to the CELENA S stage and connect the vessel holder frame to the vessel holder frame arm.

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### MAIN COMPONENTS



GAS MIXER



TEMPERATURE CONTROLLER



HUMIDIFYING COLUMN



AIR PRESSURE GENERATOR



HEATED LID AND PLATE



HEATING INSERTS

### IMPORTANT POINTS



Use a wash bottle to fill the humidifying column. Don't exceed 130 mL. Don't let the water fall below 50 mL during use.



Don't leave any input ports open in the gas mixer. Close unnecessary ports with dead-end tubing.



Turn on the gas mixer only after the input pressure of all gases have been set to 1 bar.



After placing your sample onto the CELENA S, wait 20 minutes before starting a time-lapse experiment.



Only use the provided tubes, cables, and plugs to ensure electrical safety.