

EDU Culture Dish Control System Instructions

Description:

The Delta T EDU Culture Dish System is specifically designed for the purpose of conducting demonstrations of biological activity in a class room environment. Its prime components are the Controller, Stage Adapter and Delta T Culture Dishes. This system provides a reliable and convenient method of containing biological specimens and maintaining their physiological temperatures on any microscope. It is easy and quick to use. Please review the simple setup and operation instructions prior to use.

Setup Instructions:

1. Mount the controller on its stand by inserting the wire support post into the sockets in the bottom of the heat sink as shown. (Figure 1)
2. Select the appropriate connector for your AC service and attach it to the power supply. Remove the place holder by depressing the plug retainer tab located on the back side of the power supply, and replace it with the connector of your choice. (Figure 2) Plug the power supply into your AC outlet.
3. Plug the power supply cord into the side of the controller. (Red LED will light on side of controller.)
4. Press the **[TEMP SELECT]** button to select the desired specimen temperature.
5. Insert the 4 pin mini-DIN connector into the side of the controller. (Figure 3)
6. Place the stage adapter on the microscope (Figure 4)
7. Press the **[RESET]** button on the front of the controller. Then within 10 seconds, insert* a Delta T culture dish containing your specimen into the stage adapter. If you exceed the 10 seconds press the **[RESET]** button again.

* Inserting a Delta T Dish into the stage adapter:

Apply a film of oil to the temperature sensor located at 12 O'clock with respect to the dish. This is necessary for thermal conductivity to the sensor. Insert the Delta T Dish by placing the dish in the opening of the stage adapter such that the two tabs are rotated 15 degrees from horizontal and lower the dish into the receptacle. Then rotate the dish 15 degrees clockwise until it stops.

Figure 1



Locations to install controller stand

Figure 2



Power adapter and plug adapters

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Figure 3

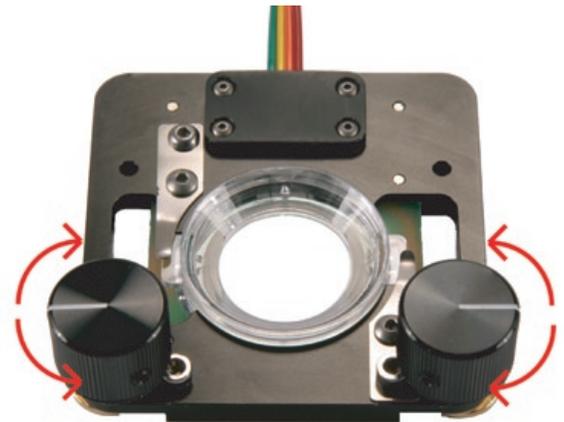


Stage Adapter
4 pin mini-DIN

Power Adapter

Location and description of cables

Figure 4



Insert Dish into Stage Adapter then Secure

Operation:

Upon power-up the EDU will display one of four temperature settings.

28 °C applicable to insect observation

30 °C applicable to yeast

37 °C applicable to mammalian specimens

41 °C applicable to avian specimens

Pressing the **SELECT** button will cycle through the temperatures. Within about 2 minutes a green LED above the word **Ready** will light. This indicates your specimen has reached your setpoint temperature. The ready light might go out occasionally. This is normal. There is no need for concern unless the ready light stays out for more than 30 seconds.

Cleaning:

Wipe the controller with a damp cloth or mild water based cleanser. Do not use solvents. The stage adapter can be cleaned with alcohol. Do not immerse in liquids!