



Technical Bulletin: ACCESSORY INFORMATION

**OPTIONAL FEATURE
INTERNAL COIL FOR CHILLED WATER**

The NuAire In-VitroCell™ Series of water-jacketed CO₂ incubators are available with an internal water-jacket cooling coil for ambient temperature or slightly below ambient temperature cell culture. All NuAire Incubators would have temperature capability down to 5.0°C. The internal water-jacket cooling coil, when connected to a recirculating chilled water bath (customer supplied), will provide accurate temperature control to $\pm 0.1^{\circ}\text{C}$ with uniformity being $\pm 0.2^{\circ}\text{C}$.

The recirculating chilled water bath should have a minimum flow rate of 15 liters per minute (LPM) and a temperature capability down to -20°C . An illustration of the system configuration is shown below. The incubator is run normally at your chosen setpoint. The recirculating chilled water bath is turned on to cool the water-jacket which allows the incubator heaters to turn on and stabilize the incubator chamber at setpoint. Depending on ambient temperature, water bath temperature should be 5-10°C lower than incubator.

The optional Incubator Cooling Coil is another way NuAire brings to you dependability for the most demanding environments.

