



# MICRO Q TECHNOLOGIES

## TEMPERATURE CONTROLLED REGENERATIVE MEDICINE INCUBATOR

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Stem cell donation is an important and life saving technique. So many people every year are diagnosed with illnesses that will require a stem cell transplant but sometimes finding a match can be difficult. According to Mayo Clinic, "Every year, more than ten thousand people in the United States are diagnosed with life threatening diseases, such as leukemia or lymphoma, for which a stem cell transplant is the best or the only treatment. Donated blood stem cells are needed for these transplantations." Ailing patients and their families anxiously await the phone call that a match has been found. Once a match has been found, things can move quickly and precautions need to be taken to ensure that the patient receives their life giving stem cells in a timely manner. Many times, mere hours can mean the difference between life and death. When working under such time constraints, speedy and safe shipping is crucial. Sometimes there is only one match out of tens of thousands of people and, often, donors and recipients are not located in the same city, let alone the same state. Shipping long distances can be dangerous as there are changes in temperature, humidity, and just general risk of damage, during the shipping process. Even the tiniest change in temperature or sustaining too much jostling can permanently damage the stem cells, rendering them ineffective. For these very important reasons, it is crucial that stem cells are shipped with a reliable shipping device.

### ADDITIONAL TEMPERATURE CONTROLLED REGENERATIVE MEDICINE INCUBATOR BENEFITS

When shipping stem cells, a great way to ensure they arrive in optimum condition, is to use a portable temperature controlled shipping device that is capable of active heating and cooling. A product, such as the MicroQ Technologies iQ Shipper, is capable of active heating and cooling. It is reliable because it is controlled by a microprocessor, and it is also very durable as it has been designed to resist vibrations and damage. These temperature controlled portable shipping devices are the ideal way to ship such fragile and live giving substances. By choosing such a reliable product, peace of mind can be given to everyone involved.

It is truly tragic that every day that a life is saved by stem cell donation, many more are added to the list in need of this life giving treatment. These patients and their families are desperate for this treatment, and when they get the call that a match has been found, everyone involved needs to have peace of mind that the stem cells will arrive safely. Many can go on to live a healthy life after receiving stem cell transplants, a dream they may not have realized otherwise. The difference between life and death should not be a few degrees or a rocky shipping process but it could be. By choosing a temperature controlled portable shipping device, patients and their families can make new memories and celebrate many years of healthy life together.

### Benefits of Micro Q Technologies



- Active precision heating or cooling
- Temperature LCD display resolution =  $0.1^{\circ}\text{C}$
- Temperature control range  $0^{\circ}\text{C}$  to  $42^{\circ}\text{C}$
- Rechargeable battery with integrated power supply
- Ambient Temperature range  $-20^{\circ}\text{C}$  to  $50^{\circ}\text{C}$



- Temperature holding duration 24+ hours to 168+ hours
- Microprocessor controlled heat pump
- Tamper resistant key switch
- Temperature control resolution =  $0.0625^{\circ}\text{C}$



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