

MICRO Q TECHNOLOGIES

CULTURE PORTABLE INCUBATORS

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When doctors or scientists need to transport tissue or cell cultures there are many factors to consider. The first and most important concern is making sure the tissue or cell cultures arrive to their destination in tact and in optimal condition for testing. In order for a tissue or cell culture to grow appropriately and thrive, certain things need to happen. The culture must be kept at a certain temperature throughout the entire transport process. It must also maintain the correct humidity and carbon dioxide and oxygen levels at all times. The best way to achieve these results is to use a culture portable incubator. Cell and tissue cultures are very important and are critical to scientific discover and the development of drugs and vaccines. According to Encyclopedia Britannica, "Since the discovery that certain viruses will grow in tissue cultures, the technique has been used to produce vaccines against poliomyelitis, influenza, measles, mumps, and other infectious diseases. Cell cultures have also produced viral inhibitors, including interferon. Hormones are now being produced from cultures of cells and organs. The cultured white blood cells from two individuals can be used to determine compatibility between potential donors and recipients of tissue transplants. By removing and culturing cells from a pregnant woman, it is possible to tell whether her fetus has the chromosome defect associated with Down Syndrome." Had scientists not made such incredible advancements with tissue and cell cultures, we may not have had the polio or flu vaccine. Can you imagine what the world would be like without those vaccinations?

ADDITIONAL CULTURE PORTABLE INCUBATOR BENEFITS

For these scientific discoveries and advancements to continue we must safely ship tissue and cell cultures from medical facilities to other medical facilities or laboratories without compromising the cultures during transport.

A culture portable incubator can help protect your tissue or cell culture during transport. It is important that the culture portable incubator be capable of active heating and cooling. The MicroQ iQ shipping device is controlled by a microprocessor and can actively heat or cool the culture portable as needed should ambient conditions change. It is also durable and lightweight as well as reusable which is economical and convenient. A culture portable incubator such as the MicroQ iQ shipping device will protect your tissue or cell culture during transport and ensure scientific studies can continue on as needed.

Benefits of Micro Q Technologies



- Active precision heating or cooling
- Temperature LCD display resolution = 0.1° C
- Temperature control range 0° C to 42° C
- Rechargeable battery with integrated power supply
- Ambient Temperature range -20° C to 50° C



- Temperature holding duration 24+ hours to 168+ hours
- Microprocessor controlled heat pump
- Tamper resistant key switch
- Temperature control resolution = 0.0625° C



LOCATION

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