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COLD PORTABLE INCUBATOR

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Each day, every moment, science and technology is making advancements. New ways to test the safety of pharmaceuticals or treatments for certain diseases are discovered. Animal cell cultures are just one way to test the effectiveness and safety of treatments to ensure that when patients receive a treatment, it will be more beneficial than harmful. Cell cultures, derived from animal cells, are grown under controlled conditions to see if mutations occur, if treatments are effective or if they are damaging or dangerous. When cell cultures are being studied, they are often shipped between locations such as medical facilities, laboratories and research institutions. Animal cell cultures are temperature sensitive and need to be properly protected during transport to ensure accuracy. WHO.int discusses the necessity of precision and care when handling animal cell cultures, "Variation in physical-culture parameters, such as pH, temperature, humidity, and gas composition, can significantly influence the performance and viability of cells and should be specified with established tolerances and the relevant equipment calibrated and monitored. In addition, any culture reagents prepared in the laboratory should be documented, quality controlled and released against an established specification." To ensure that any testing and results are accurate, it is important to maintain the desired temperature of animal cell cultures at all times. An accurate and reliable cold portable incubator should be used to ensure animal cell culture integrity.

ADDITIONAL COLD PORTABLE INCUBATOR BENEFITS

The MicroQ iQ cold portable incubator is a temperature sensitive cold portable incubator that is capable of active heating and cooling. It is controlled by a microprocessor, making it incredibly accurate and able to maintain the desired temperature at all times, regardless of external conditions. Should the device experience major changes in external temperature or humidity, it is capable of adapting to ensure that animal cell cultures do not experience temperature excursions. The MicroQ iQ cold portable incubator is also very durable, able to withstand any rough handling it may encounter during transport. The device is also lightweight which helps keep shipping costs down as it is very simple to ship it with couriers such as FedEx and UPS. It is also completely reusable. Recharge the device, reprogram it and send it along again as needed. The MicroQ iQ cold portable incubator is the ideal shipping container for transporting animal cell cultures. Important research and clinical trials will not experience costly and frustrating delays because the device will protect animal cell cultures throughout transport.

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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