



MICRO Q TECHNOLOGIES

INTERNATIONAL VACCINE COLD CHAIN

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Immunizations are essential to supporting world health efforts. Every year new diseases or strains of a disease arise, new children are born, and people who have never been immunized become at risk for these often fatal diseases. There is not just a pharmacy or clinic down the road in every part of the world, so it is critically important that a safe and effective method of transportation be in place for vaccines. Immunization Basics: Snap Shots makes note of the importance of safely transporting vaccines all over the world, "An effective logistics system and a well-maintained cold chain are essential for safe and effective immunization services delivery. An improperly functioning cold chain can lead to wasted vaccines, missed opportunities to immunize due to lack of vaccines, and children receiving vaccines that do not protect them as intended or that actually make them sick." Vaccines are designed to help protect people from illness not make them sick from improper handling. Vaccines are designed to be kept a temperature ranging from 2° to 8° Celsius.

ADDITIONAL INTERNATIONAL VACCINE COLD CHAIN BENEFITS

When vaccines are being shipped internationally they encounter a wide range of temperatures and other potential hazards. During transport there can be delays, rough handling, changes in temperature and humidity, and more. All of these things could damage these life saving vaccines, rendering them useless. Not only will people not get the vaccines they need but a lot of money will be wasted. Billions of dollars are spent on vaccines every year so great care needs to be taken when handling them. With a temperature sensitive portable shipping device, vaccines can be constantly monitored and protected throughout shipment. The MicroQ iQ shipping device is controlled by a microprocessor and the device can adjust to ensure that the desired temperature is maintained at all times, regardless of fluctuations in ambient conditions. The device is also lightweight but very durable so it can handle the long, international shipping process and properly protect the vaccines. Because it is lightweight it will keep shipping costs down and can easily be shipped with companies like FedEx and UPS. Additionally, the MicroQ iQ shipping device is rechargeable and reusable, which will keep shipping costs down because there is no need to buy a new container each time you need to ship vaccines. Vaccines are incredibly sensitive and their potency can easily be reduced by temperature excursions of even a few degrees. The MicroQ iQ shipping device is the ideal portable vaccine shipper and will ensure the vaccines arrive ready to be used and ready to save lives.

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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