

# MICRO Q TECHNOLOGIES

## MEDICAL SPECIMEN SHIPPING DEVICE

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Medical specimens are used frequently for diagnostic purposes. Medical specimens are used to help determine if there is a medical condition causing a problem in the human body. They are often collected at a medical facility and sent to a laboratory for testing that will aid in diagnosis. There are many different kinds of medical specimens and each has their own unique set of requirements for temperature. Blood may need to be maintained at a different temperature than urine. Univerisyt of Iowa has specific guidelines for Microbiology Specimen Collection and Transport that shows that there is a wide range of temperature needed for the variety of medical specimens that exist, "Deliver all specimens to the laboratory as soon as possible after collection. Specimens for bacterial culture should be transported at room temperature. If transport is delayed the following specimens should be refrigerated: urines (within 30 min), stool (within 1 h), respiratory specimens. Specimens for viral culture must be transported to the laboratory immediately on ice." Whatever is being transported, it is incredibly important that the desired temperature is continuously maintained to ensure accurate results and proper diagnosis. The MicroQ iQ medical specimen shipping device is ideal for use because it actively heats and cools to maintain the desired temperature at all times.

### ADDITIONAL MEDICAL SPECIMEN SHIPPING DEVICE BENEFITS

It will protect the cold chain by continuously monitoring the device and adjusting as needed for fluctuations in ambient conditions. It is controlled by a microprocessor so it is incredibly accurate. It is lightweight and reusable, which will help keep shipping costs down. It simply needs to be recharged, reprogrammed and shipped again. Because it has a wide range of temperatures it can maintain, it will be capable of handling the temperature needs of any medical specimen you may need to ship. Additionally, it eliminates the need for disposable shipping containers. It is also very durable, capable of withstanding any rough handling during transport. When shipping, it can be common to encounter a number of potential hazards that may critically damage medical specimens. Delays, temperature and humidity fluctuations, rough handling and more will not be a problem for the MicroQ iQ medical specimen shipping container. With the MicroQ iQ, medical specimens will be protected during transport, arrive in the desired condition for use, and play an important role in the accurate and reliable diagnosis of patients.

### 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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