

MICRO Q TECHNOLOGIES

BONE MARROW SAMPLE SHIPPING

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The medical community often needs a reliable shipping method for various samples and cultures that are used for diagnosis and treatment. ConservantBio discusses the importance of bone marrow samples and their use in medicine, "Bone marrow, the soft tissue that resides within human bones, is the factory for new blood cells, the primary producer of lymphocytes and the birthplace of the human immune system. Bone marrow examination is essential for diagnosing and managing many blood and immune disorders. Further, because it's the central role in these systems, bone marrow samples are extremely valuable for target discovery and validation, as well as drug discovery projects. Bone marrow is key to helping researchers unlock the source of disorders such as lymphoma and leukemia, anemia, multiple myeloma and even certain autoimmune diseases." With bone marrow samples being involved in the diagnosis, treatment and health of so many patients with a variety of disorders it is incredibly important that they be protected throughout transport. Bone marrow samples can be shipped fresh or frozen but, whatever temperature they are, their temperature needs to be maintained at all times. If temperature excursions occur, the sample viability becomes compromised and creates many problems for both the medical staff and patients.

ADDITIONAL BONE MARROW SAMPLE SHIPPING BENEFITS

Bone marrow samples are often difficult and painful to obtain, this coupled with their temperature sensitivity necessitates precision and care when transporting bone marrow samples. Bone marrow samples can encounter a number of potential hazards when being shipped from the medical center where they were collected to the lab where they will be processed. Depending on the shipping distance, they could encounter extreme changes in temperature and humidity. The samples could experience delays and rough handling as well. A device like the MicroQ iQ shipper is temperature sensitive and can accurately maintain the desired temperature at all times. The device is capable of active heating and cooling and is controlled by a microprocessor so should it sense a variation in temperature it will automatically adjust to ensure your sample is protected. The device is also lightweight and durable, making shipping easy and safe. The device is also reusable and simply needs to be recharged and sent along again. Because the device is reusable it will significantly save on the cost of shipping over time and will also eliminate the need for wasteful disposable containers. The MicroQ iQ shipping device is the ideal bone marrow sample shipping device and will protect your sample, ensuring sample viability and ideal conditions for testing.

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

14362 North Frank Lloyd Wright Blvd Suite 1210
Scottsdale, Arizona 85260 USA



CALL US

Phone: 480.380.9669



EMAIL US

sales@microq.com