

MICRO Q TECHNOLOGIES

TEMPERATURE CONTROLLED MEDICAL SHIPPING INCUBATOR

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Kidney donation is a life saving scientific procedure that many are eligible to take part in. Kidney donation does involve major surgery and procedures to ensure you are a good match but, according to Mayo Clinic, "Your long term survival rate, quality of life, general health status and risk of kidney failure are about the same as that for people in the general population who aren't kidney donors." Recently, there have been many news reports of the largest chain of kidney donation taking place. The chain involved 60 lives and 30 kidneys donated to the chain for personal reasons or for selfless reasons. Many patients in need of a new kidney have very bleak outlooks in terms of lifespan until they can receive a new kidney. This record breaking chain of donation saved many lives. According to the New York Times the donation chain was a very precisely coordinated processes that, "required lock step coordination over four months among 17 hospitals in 11 states." With the advancement of technology and the medical field and the urgent need of many of the patients on the transplant list, being able to ship a kidney anywhere has become an incredible, life saving technique. Patients too ill to travel to where the donor kidney is located can now receive the kidney they so badly need while staying close to home.

ADDITIONAL TEMPERATURE CONTROLLED MEDICAL SHIPPING INCUBATOR BENEFITS

With modern advancements in technology, kidneys that have been shipped are just as viable as kidneys transplanted from within the same hospital. In 2011, a study was conducted and published in the American Journal of Transplantation that proved that shipped kidneys were just as medically viable. According to the study, "The kidneys in the study were kept on ice and traveled an average distance of 792 miles, with a range of less than one mile to 2,570 miles. On average, the organs spent 7.6 hours outside the body, with a range of 2.5 to 14.5 hours. About 87 percent of the kidneys were transported by air and 13 percent by motor vehicle." One doctor involved in the study noted that there was no difference in how well the kidneys functioned, which is a great advancement in kidney donation and exchange.

When a person's life is at stake, no risks can be taken in ensuring the donor kidney arrives safely. Precise temperature needs to be maintained and the integrity of the kidney needs to be protected. Using a durable temperature controlled portable shipping device can help protect this vital organ. When shipping an organ across state lines and possibly across the country, there is bound to be some big changes in temperature and outside climate. When a kidney is being transported, it cannot be effected by these changes in environment. As medicine and science changes and advancements in kidney transplant continue, the shipping industry needs to advance with it. By choosing a technologically advanced shipping device such as a temperature controlled portable shipping device, your organs will arrive safely and lives will be forever changed.

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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