

# MICRO Q TECHNOLOGIES

## SHIPPING DEVICE FOR EQUINE BREEDING

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Equine breeding is not the same as it was fifty years ago. Much has changed in the technology and capabilities of equine breeding. A stallion and mare need not be in the same barn, let alone the same state or even country to be bred any more. With technology advances in artificial insemination as well as the ability to quickly ship to anywhere in the world, stallion semen shipping for the purpose of insemination has become a regular occurrence. Rather than transport the whole horse, which poses a series of risks for the horse, stallion semen can now be safely and quickly shipped any distance. To transport a stallion to a mare, or vice versa, takes time, a lot of money, and the horse could become sick due to travel and weather changes. By simply shipping the stallion semen, no risk is posed to the horse itself but the breeding process can still take place. When shipping cooled or frozen stallion semen, it is critically important that the right shipping container can be used. America's Horse Daily discusses the process of shipping cooled semen as a viable option for equine breeding but also notes that there are certain logistics involved, "Stallion owners who ship cooled semen have a certain amount of responsibility to their clients. The most important responsibility is to provide more owners with quality semen that survives the cooling and transportation process and arrives on time." When shipping for veterinary sciences and particularly, stallion semen, a temperature sensitive portable shipping device can keep your shipment safe throughout transport. The MicroQ iQ shipping device is capable of active heating and cooling which will protect the stallion semen at all times. When shipping great distances, a shipment may encounter many fluctuations in ambient conditions as well as other hazards. Rough handling, delays, humidity and temperature shifts can all put the stallion semen at risk of damage. With the MicroQ iQ shipping device, the temperature is constantly monitored and managed by a microprocessor so that temperature excursions are avoided. It is also incredibly durable as well as lightweight, making it simple to ship with any carrier. Additionally, it is rechargeable and reusable so if you are often breeding you can continually use the same MicroQ iQ shipping device by recharging it and sending it on its way again. The MicroQ iQ shipping device is the ideal choice when shipping stallion semen. The semen will be protected during transport and arrive in ideal condition for use.

### 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



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