

Subject: National Veterinary Stockpile VaxiCool Portable Refrigeration Units

Q: What is a VaxiCool?

A: A VaxiCool is a portable-powered vaccine cooler used for the storage of vaccines within the required range of 2 and 8 degrees C. It can also transport vaccine from a central storage location to a premises.

Q: What are the power requirements?

A: The VaxiCool units operate off conventional 110 voltage alternating current (VAC). Once the unit stabilizes and the batteries are fully charged, it can be disconnected from external power and operate as a portable unit using its internal batteries. The NVS has evaluated the unit's performance and determined each unit will operate for approximately 10 hours on the internal batteries in either refrigeration or freezer mode before the internal batteries require recharging (plugged back into a 110 volt power source).

Q: How large is the unit? What are the Dimensions?

A: The external dimensions of the unit are 38 inches in length, 21 inches in width, 20 ½ inches in height, and has an empty weight of 120 pounds. Due to the size, shape and weight of the unit, it is recommended that two people lift and move the unit using the installed handles on each end of the unit.

Q: How much vaccine can the unit hold?

A: The VaxiCool has an internal capacity of 27 liters and can hold approximately twelve 500ml vaccine vials or sixty 100ml vials.

Q: Can the unit be used inside an incident “hot zone”?

A: No, the unit must remain outside of the “hot zone” at all times to prevent damage to electronic components caused by excessive cleaning and disinfection that would render the units inoperable.

Q: If I have more questions, how do I get answers?

A: Email us at nvs@aphis.usda.gov.