APHIS National Veterinary Stockpile
Questions & Answers

Subject: National Veterinary Stockpile FridgeFreeze Portable Refrigeration Units

Q. What is a FridgeFreeze?

A: A FridgeFreeze 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 FridgeFreeze units operate off conventional 110 voltage alternating current (VAC) or a supplied 12 volts external deep cycle battery. Upon arrival, the units can be operated with either power source independently. The NVS has evaluated the unit's performance and determined each unit will operate for approximately 5 days on the external battery source. A solar panel trickle charger is also supplied and, if connected to the external battery, will provide sufficient power to keep the battery maintained during operation. The solar panel allows the unit to continue operating for an extended period beyond the 5 days. In order for the solar panel to operate properly, it must be exposed to a minimum of 7 hours of daylight each day.

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, 22 inches in height, with an empty weight of 90 pounds excluding the weight of the external battery or solar panel. Due to the size, shape, and weight of the unit it is recommended that two people lift and move the unit. The unit has handles on each end to aid in transport.

Q: How much vaccine can the unit hold?

A: The FridgeFreeze has an internal capacity of 60 liters and can hold approximately forty six 500ml vaccine vials or two hundred thirty 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**.