

Limited Warranty

GenePro will warranty parts and labor to repair or replace any part in the event that the semen storage unit fails to perform due to manufacturing defect for up to **SIX** months from the date of purchase.

This warranty does not cover the following:

- Damages from improper installation.
- Damages incurred during shipping.
- Defects other than manufacturing.
- Normal use and wear.
- Compressor failure.
- Damage from misuse, abuse, accident, alteration, lack of proper care and maintenance, or incorrect current or voltage.
- Damage due to unauthorized repair or service.
- Decorative trims or replaceable light bulbs.
- Transportation and shipping.
- Labor (after the initial six months).
- Product loss as a direct result of mechanical failure of the product or any delay in providing service, repair, replacement.

Model Number: _____

Serial Number: _____

Date of Purchase: _____

GenePro, Inc.

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Operator's Manual

GenePro Semen Storage Unit



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Notes

Safety Precautions

Use basic safety precautions at all times when using this appliance, including the following:

- 1) Use this appliance only for its intended purpose as described in this operator's manual.
- 2) This heat and cool unit must be properly installed in accordance with the installation instructions before it is used.
- 3) Never unplug the semen storage unit by pulling on the power cord. Always grasp the plug firmly and pull straight out from the outlet.
- 4) Immediately repair or replace all electric service cords that are frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage. Do not use an extension cord—plug directly into a 115 VAC outlet.
- 5) Unplug the unit before cleaning or making any repairs. Do not use any electrical device or sharp instrument when cleaning the unit.
- 6) It is recommended that the doors on any unused unit be removed and keep the shelving intact, to reduce the possibility of danger to children.
- 7) Do not touch or place any objects in or on the heating and cooling mechanisms.
- 8) Do not operate the semen storage unit in the presence of explosive fumes.
- 9) It is not recommended to store food in the unit.

SAVE THESE INSTRUCTIONS

Notes

Table of Contents

	PAGE
Safety Precautions	2
Installing the Semen Storage Unit	4
Unpacking the Semen Storage Unit	4
Location Requirements	4
Electrical Requirements	5
Care and Maintenance	6
Cleaning and Maintenance.....	6
Power Interruptions	6
Vacation and Moving Care	6
Controller Operation	7
Adjusting the operating temperature	8
Troubleshooting	9
Warranty Information	12

Installation

Unpacking the Semen Storage Unit

- 1) Remove all packaging material and all adhesive tape.
- 2) Inspect and remove any remains of packing, tape or printed materials before powering on the storage unit.
- 3) Allow compressor cooled units to remain upright 24 hours before powering on.
- 4) Adjust leveling feet so that the unit does not rock, and the door opens and closes properly.

Location Requirements

- To optimize the storage unit's operating efficiency, install it in a location where there is proper air circulation and electrical connections.
- Recommended clearance around the storage unit:
 - Sides 2" (50 mm)
 - Top 2" (50 mm)
 - Back 4" (100 mm)
- Select an appropriate location for the storage unit on a hard even surface away from direct sunlight or heat source (i.e. radiators, baseboard heaters, cooking appliances, etc.).
- For smaller units (1.7 cubic ft.) DO NOT STORE IN ROOM TEMPERATURES GREATER THAN 80°F. These small units are thermoelectrically cooled, which makes them very energy efficient. However, they are unable to maintain temperature in ambient temperatures greater than 80°F in the same way a compressor cooled unit is able. If you are unable to store your unit in a temperature controlled environment, please consider a compressor unit instead.

Adjusting the Operating Temperature (continued)

Examples of alternate operating temperatures and set points.

	17.0 °C (default)	18.0 °C	16.0 °C
SP1	17.6	18.6	16.6
SP2	16.4	17.4	15.4
SP3	17.6	18.6	16.6

Troubleshooting

Semen storage unit does NOT operate:

- Check that the unit is plugged in.
- Check that there is at least 100 VAC at the AC outlet.

Temperature appears too warm:

- Frequent door openings.
- Allow for recently added semen to reach temperature.
- Check gaskets for proper seal.
- Check room temperature. If it gets above 80°F, move to a room that is temperature controlled.

Moisture build up on interior or exterior of the unit:

- This is normal during high humidity periods.
- Prolonged or frequent door openings.
- Check door gaskets for proper seal.

Semen storage unit had an odor:

- Interior needs cleaning.

Semen storage unit door does not shut properly:

- Re-align storage unit door.
- Check for blockages (i.e. semen doses, shelves, etc.)

Adjusting the Operating Temperature

- If an operating temperature other than 17.0°C is desired, take the following steps to adjust the set point. Modified parameters will be **SP1**, **SP2**, and **SP3**.
- Press the **P** button on the controller for 1 second until it displays 'SP1.' The display will alternate between **SP1** and the set temperature (default 17.6).



- To lower the operating temperature 1 °C, set value of SP1 to the current value - 1.0. Do this by pressing the down arrow to the desired value.



- If the original set point was 17.6 °C, adjust to 16.6 °C so the unit will run at 16.0 °C. Similarly if you want to adjust the unit to run at 18.0 °C, adjust set point up 1.0 °C degree to 18.6°C.
- If the desired operating temp is 15.0 °C, adjust the set point down two degrees— e.g., 15.6°C if the original set point was 17.6 °C.
- Press the **P** button once to display **SP2** (alternating with set-point). Apply the same adjustment to the set value.
- Press the **P** button once to display **SP3** (alternating with set-point). Apply the same adjustment to the set value.

Installation (cont.)

Electrical Requirements

- An appropriate power outlet is recommended (115 volts, 15 amps outlet) with proper grounding to power the storage unit.
- Avoid the use of three plug adapters or cutting off the third grounding prong in order to accommodate a two prong outlet. This is a dangerous practice since it provides no effective grounding for the semen storage unit and may result in shock hazard.
- It is not recommended to use an extension cord due to potential safety hazards under certain conditions. If the use of an extension cord is necessary, use only a three-wire extension cord that has a three-blade grounding plug and a three-slot outlet that will accept the plug. The marked rating of the extension cord must be equal to or greater than the electrical rating of the appliance.

Care and Maintenance

Cleaning and Maintenance

WARNING: To avoid electrical shock always unplug the semen storage unit before cleaning. Ignoring this warning may result in death or injury.

General Cleaning:

- Prepare a cleaning solution of 3-4 tablespoons of baking soda mixed with warm water. Use a sponge or soft cloth, dampened with the cleaning solution, to wipe down the storage unit.
- Rinse with clean warm water and dry with a soft cloth.
- Do not use harsh chemicals, abrasives, ammonia, chlorine bleach, concentrated detergents, solvents or metal scouring pads. SOME of these chemicals may dissolve, damage and/or discolor your semen storage unit.

Door Gaskets:

- Clean door gaskets every three months. Gaskets must be kept clean and pliable to assure a proper seal.
- Petroleum jelly applied lightly on the hinge side of the gaskets will keep the gasket pliable and assure a good seal.

Power Interruptions

- Occasionally there may be power interruptions due to thunderstorms or other causes. Remove the power cord from AC outlet when a power outage occurs. When power has been restored, re-install the power cord to AC outlet.

Vacation and Moving Care

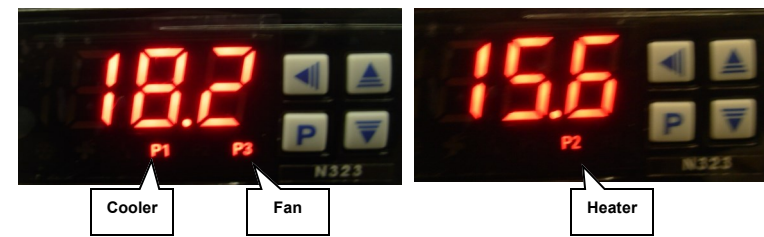
- For long vacations or absences, empty semen and unplug the units. Clean the door gaskets and prop doors open to allow for air circulations.
- When moving the unit unplug from AC outlet, remove semen and clean the storage unit. During transportation maintain in an upright position and make sure the unit is stable and secure to eliminate risk of movement. Cover the exterior of the unit with a soft covering to prevent damage.

Controller Operation

- The controller is programmed to operate at 17.0°C (± 0.5 °C) and will immediately start operating upon plugging the unit into an electrical outlet. Allow two hours for the semen storage unit to equilibrate and reach 17.0°C.
- The controller, upon powering on, reads the internal temperature. This is the air temperature inside the unit, and does not reflect the temperature of the semen doses. **A fluctuation of 16-18 °C as seen on the temperature display is NORMAL.**
- If you are concerned that the unit is not operating at the proper temperature, place a thermometer in a cup of water, and place it inside the unit. Allow two hours to equilibrate. If the thermometer is not reading 17.0°C (± 0.5 °C) contact GenePro at (877) 270-1250.

Normal Controller Function

- During normal operation of the semen storage unit, a heater, a cooler, and a circulating fan are all used to maintain the operating temperature of the unit.
- When the indicator **P1** is illuminated, the cooling unit is running.
- When the indicator **P2** is illuminated, the heating unit is running.
- When **P3** is illuminated, the circulating fan is running.



- These indicators will go on and off during the course of normal operation.