

THERMCO HCBB1000

Thermco HCBB1000 Blood Product Thermometer

User Manual

INTRODUCTION

This manual provides essential instructions for the proper use, maintenance, and care of your Thermco HCBB1000 Blood Product Thermometer. This device is designed for accurate temperature measurement of red blood cells returned to blood banks and for validating thawed plasma, ensuring compliance with 5.6.5 transport regulations.



Figure 1: Thermco HCBB1000 Blood Product Thermometer. This image displays the red casing and analog display of the thermometer.

SETUP AND INITIAL INSPECTION

1. **Unpack the Thermometer:** Carefully remove the Thermco HCBB1000 Blood Product Thermometer from its packaging. Retain packaging materials for future storage or transport if needed.
2. **Inspect for Damage:** Before first use, visually inspect the thermometer for any signs of physical damage, cracks, or abnormalities. Do not use the device if damage is observed.
3. **Initial Cleaning:** As a reusable device, it is recommended to wipe clean the thermometer before its first use and after each subsequent use. Refer to the "Maintenance and Care" section for detailed cleaning instructions.
4. **Environmental Considerations:** Ensure the thermometer is used in an environment suitable for

accurate temperature measurement, free from extreme temperatures or direct sunlight that could affect its readings.

OPERATING INSTRUCTIONS

The Thermco HCBB1000 features an analog display and a fast reading system for efficient temperature assessment.

1. **Prepare the Sample:** Ensure the blood product or thawed plasma is ready for temperature measurement.
2. **Insert the Thermometer:** Carefully insert the thermometer probe into the blood product or thawed plasma. Ensure the sensing part of the thermometer is fully immersed for an accurate reading.
3. **Read the Temperature:** Allow sufficient time for the thermometer to stabilize. Due to its fast reading system, stabilization typically occurs quickly. Read the temperature directly from the analog display.
4. **Record Data:** Record the measured temperature as required by your facility's protocols.
5. **Remove and Clean:** After use, carefully remove the thermometer from the sample and proceed with cleaning as outlined in the "Maintenance and Care" section.

Note: This thermometer is designed to conform to 5.6.5 transport regulations, making it suitable for critical applications in blood banks.

MAINTENANCE AND CARE

- **Cleaning:** The Thermco HCBB1000 is a reusable device. After each use, wipe clean the thermometer with a suitable disinfectant or cleaning solution as per your facility's guidelines. Ensure all surfaces are thoroughly cleaned to prevent contamination.
- **Drying:** After cleaning, ensure the thermometer is completely dry before storage or next use.
- **Storage:** Store the thermometer in a clean, dry place, away from direct sunlight, extreme temperatures, and corrosive chemicals. Protect it from physical impact to prevent damage to the analog display or probe.
- **Calibration:** Regular calibration checks are recommended to ensure continued accuracy. Consult your facility's protocols or a qualified technician for calibration procedures.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Thermco HCBB1000 thermometer.

- **Inaccurate Readings:**
 - Ensure the thermometer probe is fully immersed in the sample.
 - Verify that the thermometer has reached thermal equilibrium with the sample.
 - Check for any physical damage to the probe or display that might affect accuracy.
 - Consider if the thermometer requires calibration.
- **Difficulty Reading Display:**
 - Ensure adequate lighting when taking readings.
 - Clean the display surface if it is obscured by dirt or smudges.
- **Physical Damage:** If the thermometer is physically damaged (e.g., cracked casing, bent probe), discontinue use immediately and contact customer support for replacement or repair options.

SPECIFICATIONS

Brand	THERMCO
Model Number	HCBB1000
Display Type	Analog
Special Feature	Fast Reading System
Color	Red
Outer Material Type	Plastic
Reusability	Reusable
Included Components	Blood Thermometer
Manufacturer	THERMCO PRODUCTS, INC.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Thermco HCBB1000 Blood Product Thermometer, please contact THERMCO PRODUCTS, INC. directly. Refer to the product packaging or the manufacturer's official website for current contact details and warranty terms.

It is recommended to keep your purchase receipt as proof of purchase for warranty claims.