

## Standard Work: Daily Temperature Reading for Satellite Fridges

**Document Owner(s):** Transfusion Safety  
**Department:** Transfusion Medicine

**Created:** 07-06-2019  
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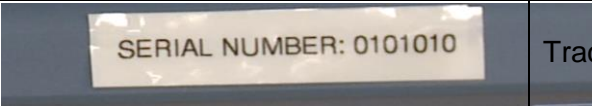


**Date Approved:** 07-06-2019

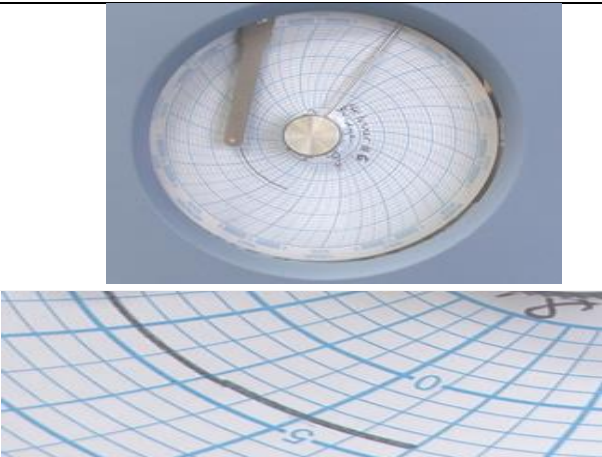

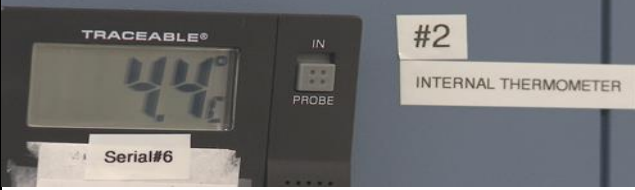

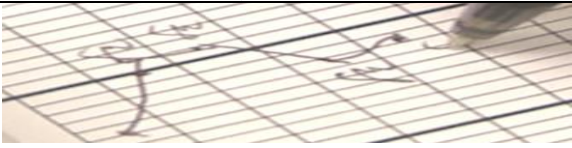
**Performed By:** Procedure Room Staff / PICU ECLS Team


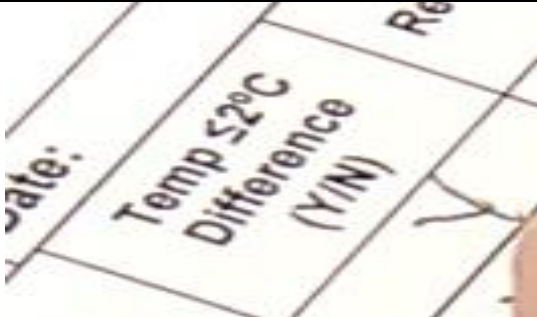
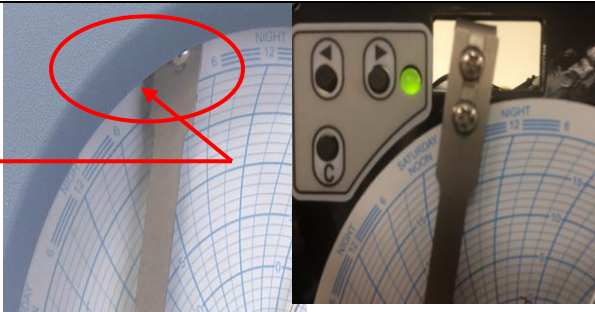
**Other Roles Involved:** TML

**Process Summary:** Instructions for performing the daily temperature reading for satellite fridges.

**Objective:** To ensure that clinical and allied health staff follows the correct steps for performing the daily temperature reading for a satellite fridge.

#	Major Steps	Details/Pictures/Visuals	Rationale, Quality or Safety Considerations	Resources
1	<p><b>Retrieve</b> the current copy of the:</p> <ul style="list-style-type: none"> <li>Daily Temperature Record Form (DTR) for location.</li> <li>Daily Temperature Graph Form</li> <li>On the first day of the month <b>refer to</b> the CW Standard Work- Satellite Fridge Monthly Maintenance.</li> </ul> <p>⚠ If form is unavailable call TML</p>		<p>Standards require that all satellite fridges are monitored.</p> <p>To alert TML about the non-conformance.</p>	<p><b>CWTM_025_1602F05</b> DTR–General Procedures. <b>CWTM_025_1602F06</b> DT R–Special Procedures. <b>CWTM_025_1602F07</b> DTR– ECLS. <b>CWTM_025_1602F01</b> Daily Temperature Graph Form</p>
2	<p><b>Check</b> that the serial number on the satellite fridge is identical to the serial number recorded on the top of both forms.</p>		Traceability.	
3	<p><b>Read</b> the temperature of the digital display thermometer.</p> <ul style="list-style-type: none"> <li>The <b>temperature</b> of the digital display thermometer must be <b>between 1° to 6° C</b>.</li> </ul> <p><b>Inform TML immediately</b> if the temperature of the digital display thermometer is outside the acceptable range of 1° to 6° C</p>		To alert TML about the non-conformance.	
4	<p><b>Record</b> the temperature of the digital display thermometer in the “Digital Display” column, column # 1, of the daily temperature record form.</p>		Traceability.	Daily Temperature Record Form

5	<p><b>Read</b> the temperature of the circular chart recorder, see images 5 &amp; 6.</p> <ul style="list-style-type: none"> <li>• <b>Check</b> if the circular chart is recording on the correct date and time.</li> <li>⚠ <b>Inform</b> TML if the circular chart is not recording on the correct date and time.</li> <li>• The <b>temperature</b> of the circular chart recorder must be <b>between 1° to 6° C</b></li> <li>⚠ <b>Inform TML immediately</b> if the temperature of the circular chart recorder is <b>outside</b> the <b>acceptable range</b> of 1° to 6° C.</li> </ul>		To alert TML about the non-conformance.	
6	<p><b>Record</b> the temperature of the circular chart recorder in the “circular chart recorder” column, column # 3, of the daily temperature record form.</p>		Traceability.	Daily Temperature Record Form
7	<p><b>Read</b> the temperature of the internal thermometer.</p> <p>The temperature of the internal thermometer must be between 1° to 6° C</p> <p><b>Inform</b> TML immediately if the temperature of the internal thermometer is outside the acceptable range of 1° to 6° C</p>		Traceability.  To alert TML about the non-conformance.	
8	<p><b>Record</b> the temperature of the internal thermometer:</p> <ul style="list-style-type: none"> <li>• in “Internal Thermometer” column, column # 2, on the daily temperature record form</li> <li>• on daily temperature graph form</li> </ul>		Traceability.	Daily Temperature Record Form Daily Temperature Graph Form
9	<p><b>Record</b> your initials beside the temperature on the daily temperature graph.</p>		Traceability.	Daily Temperature Graph Form

10	<p><b>Confirm</b> that the temperature for all three thermometers is between 1° to 6° C by marking “Y” in the “Temp Acceptable” column.</p> <p><b>OR</b></p> <p><b>Indicate</b> that the temperature for one, or more, of the thermometers is outside the acceptable range 1° to 6° C, by marking “N” in the “Temp Acceptable” column.</p> <p>⚠ <b>Inform TML immediately</b> if the temperature is outside the acceptable range 1° to 6° C</p>		Blood components are stored at a specific temperature.	Daily Temperature Graph Form
11	<p><b>Check</b> that the variation, up or down, between all three temperature readings is <b>less than or equal to 2°C</b>.</p> <p>⚠ <b>Inform TML immediately</b> if the <b>variation</b> up or down, between all three temperature readings is, <b>is greater than 2° C</b></p>		To alert TML about the non-conformance.	
12	<p><b>Confirm</b> that the variation, up or down, between all three temperature readings is <b>less than or equal to 2°C</b> by marking “Y” in the “Temp ≤ 2° C Difference” column on the on the daily temperature record form.</p> <p><b>OR</b></p> <p><b>Indicate</b> that the variation, up or down, between all three temperature readings <b>is greater than 2° C by marking “N”</b> in the “Temp ≤ 2° C Difference” column on the on the daily temperature record form.</p> <p>⚠ <b>Inform TML immediately</b> if the <b>variation</b> up or down, between all three temperature readings, <b>is greater than 2° C</b>.</p>		Blood components are stored at a specific temperature.	Daily Temperature Graph Form
13	<p><b>Check that</b> the battery indicator light for the circular chart recorder displays a constant green.</p> <ul style="list-style-type: none"> <li>The battery indicator is located inside the circular chart recorder on the upper left side.</li> </ul> <p>⚠ <b>Contact TML</b> if the battery for the circular chart recorder is flashing.</p>		To alert TML about the non-conformance.	

## Cross-References

Transfusion Medicine Standard Operating Procedures

## References

Canadian Society for Transfusion Medicine. (2017). *Standards for Hospital Transfusion Services*. (Version 4.0). Markham, ON: Author.

Canadian Standards Association. (2015). *Blood and blood components, Z902-15*. Mississauga, ON: Author.

Health Canada. (2013). *Blood Regulations*. Ottawa, ON: Author.

## Version History

DATE	DOCUMENT NUMBER and TITLE	ACTION TAKEN
11-Jun-2019	C-0506-16-60226 Standard Work: Daily Temperature Reading for Satellite Fridges	Approved at: Transfusion Safety

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