



BBMBT 1.0-Use of Genesis Timestrip® Blood Temp 10

A. Principle

If packed red blood cells are shipped outside of the department, there must be a method to monitor the temperature of the product. Genesis Timestrip® Blood Temp 10 strips are designed to detect if red blood cell products have been allowed outside of the acceptable range.

B. General Policies

1. All packed red blood cells transported by pneumatic tube or hand delivered must have a Timestrip® indicator affixed.
2. All packed red blood cells transported and stored in an OR transporter must have a Timestrip® indicator affixed.
3. Timestrip® indicators will be observed and acceptability documented from any red blood cell products returned to the blood bank.

C. Specimen Collection and Preparation

N/A

D. Equipment

N/A

E. Supplies

1. Genesis Timestrip® Blood Temp 10 strips

F. Reagents

N/A

G. Quality Control

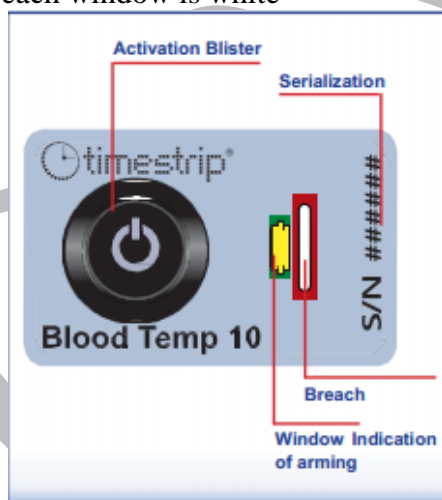
QC is built into the blood monitor. Procedure must be followed to ensure activation.


H. Safety

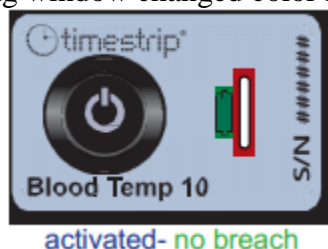
Refer to Chemical Hygiene and Blood Borne Pathogen Plan for Memorial Hospital Laboratory.

I. Procedure

1. Check expiration on current box of Genesis Timestrip® Blood Temp 10 strips to ensure strip is in date.
 - a. If box is expired, check inventory for box that is in-date and discard all boxes that are out-of-date.
2. Ensure that blood bag has been stored in controlled refrigerator between 2°C-6°C for ≥ 4 hours.
3. Ensure that the Timestrip® has been stored in an environment $> 50^{\circ}\text{F}$.
4. Select an area on the blood bag on the lower 1/3rd of the blood bag where the greatest amount of blood is held.
 - a. Ensure area on blood bag for application of Timestrip® is clean, oil free and moisture free.
5. Ensure that the Genesis Timestrip® Blood Temp 10 strip is inert and not yet monitoring temperature by observing the following:
 - a. The indication of arming window is yellow, and
 - b. The Breach window is white



6. Firmly squeeze the blister located on top of the indicator showing the  symbol.
7. Verify that the arming window changed color from yellow to green.



- a. If the indication of arming window does not immediately change to green, resqueeze the blister firmly and confirm the change from yellow to green.
8. *Immediately*, remove the strip from the adhesive liner strip.
9. Adhere the indicator to the prepared location on the lower 1/3rd of the blood bag and apply constant pressure for 3-5 seconds to ensure successful adhesion quality.

J. Reporting Results

1. When red blood cell product is returned, evaluate the Genesis Timestrip[®] Blood Temp 10 strip indicator for acceptability.
 - a. No Breach has occurred:
 - i. Window indication of arming will be green, and
 - ii. Breach window will be white.



activated- no breach

- b. Breach has occurred:
 - i. Window indication of arming will be green, and
 - ii. Breach window will be blue.



activated- breach

2. If a breach has occurred, discard unit.
 - a. Refer to *BBBP 10.0-Quarantine and Destruction of Blood and Blood Products* SOP for instructions on destroying and documentation of destruction of product.
3. If a breach has **not** occurred, remove Timestrip[®] and place returned blood on the quarantine shelf for a minimum of 30 minutes for further appearance check.
 - a. Refer to *BBBP 11.0-Returning Issued Blood and Blood Products to the Blood Bank*
4. If unit is returned without a Timestrip[®],
 - a. Unit temperature should be taken and documented in return comment in unit inquiry.
 - b. Unit should be placed in quarantine in LIS and physically.



- c. Place screenshot of comment window for unit for review by supervisor or designee.

K. Limitations

1. Blood products must be stored at 2-6°C for a minimum of 4 hours prior to placement of the indicator.
2. Once Timestrip® breach window turns blue, it is non-reversible.

L. References

1. Genesis BPS product brochure, www.genesisbps.com

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