

Dried Blood Spot Collection Instructions

Materials provided by USDTL:

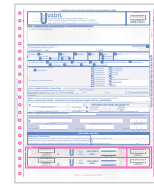
- A) Collection Supplies
 - 2 lancets
 - 2 non-ethanol based alcohol pads
 - gauze
 - blood spot collection card
 - dried blood spot drying box
- B) Specimen Envelope
- C) Chain of Custody Form*



(A)



(B)



(C)



(D)

Materials that must be provided by the collector or collecting facility:

- D) Powder-free latex gloves

*Test subject ID number, date of collection, date and signature of sample collector must be completed at the time of collection.

Dried blood spot collection is a donor performed collection. In some cases, it may be beneficial for the collector to assist the donor or perform the collection completely. In either case, it is imperative to follow the steps carefully in order to ensure a proper specimen collection.

COLLECTOR & DONOR:

1. Collector and donor should wash their hands with soap and water.

CAUTION: Do not use an ethanol-based sanitizer.

COLLECTOR:

2. Collector should use powder-free latex gloves when handling the specimen and for donor assistance throughout the collection.
3. Verify the donor with a government-issued photo ID (driver's license, state ID, or a passport) and record the donor information in Step 1 of the Custody and Control form.

DONOR:

4. The donor's finger should be positioned below the heart to increase venous pressure. Massaging the hand and finger lightly before puncturing may also help circulation.
5. Wipe the finger with an isopropyl alcohol pad. **CAUTION: Do not use an ethanol-based alcohol pad.**
6. Allow the finger to air dry.
7. Twist off the protective cap on the sterile safety lancet to break the seal.
8. Place the open end of the sterile safety lancet against the sterilized finger, making sure that placement is slightly off-center. To activate, press safety lancet firmly against the puncture site. Do not remove the device from the site until an audible click is heard. **CAUTION: Do not puncture the center of the fingertip.** Blood flow is best accomplished with an off-center puncture.
9. Wipe away the first drop of blood with a tissue or gauze. *NOTE: Wiping away the first drop improves blood flow.*
10. Wait for the formation of a large drop of blood before attempting to fill the collection circle. There should be a big enough blood drop to reasonably assume that it will fill the collection circle in a single attempt. Allow the drop of blood to come in contact with the center of the collection circle. *NOTE: Allow the collection paper to wick blood out of the puncture. Do not press the finger against the collection paper and do not layer successive drops.*



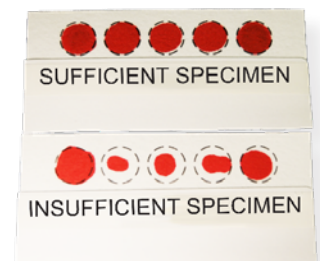
Twist off cap



Place Off-Center



Wait for Large Drop



Fill Collection Circles

11. Continue this process until all collection circles are filled by single applications. Be sure to wait for a large drop of blood to form between each attempt at filling the collection circles. Avoid “milking” the finger as this will cause more interstitial fluid to surround the puncture and will speed clotting (will slow / stop the bleeding). Do not layer successive drops.

COLLECTOR:

12. Record donor’s name and date on the collection card. **Caution: Do not touch the filled collection circles.**

DONOR:

13. Donor initials and dates the collection card. **Caution: Do not touch the filled collection circles.**

COLLECTOR:

14. Affix one of the small barcode stickers from the bottom of the Custody and Control form above the donor name on the collection card. **Caution: Do not tuck the cover or let the cover touch the collection circles.**

15. Place specimen card in drying box. Seal the box with the long specimen seal from the bottom of the Custody and Control form. If you don’t have a Custody and Control form there is a tamper-evident seal provided in the collection bag. The seal should reach around both ends of the box and effectively fasten both ends shut.

DONOR:

16. Donor initials and dates the seal. This serves as the tamper-evident seal.

COLLECTOR:

17. Collector signs and dates Step 4 of the Custody and Control form.

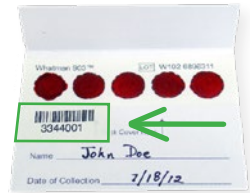
DONOR:

18. Donor signs Step 5 of the Custody and Control form.

COLLECTOR:

19. Place the sealed box and the Custody and Control form in a non-plasticized envelope or other form of USDTL approved package. If sending more than one collection card, be sure to use separate drying boxes for each collection card. **Caution: Do not place inside an airtight plastic specimen transport bag.**

20. Dispose of used and leftover materials according to local protocol.



Insert Un-tucked



DO NOT TUCK



Wrap Both Ends



NO PLASTIC BAGS