



Dried Blood Spot Collection Technique



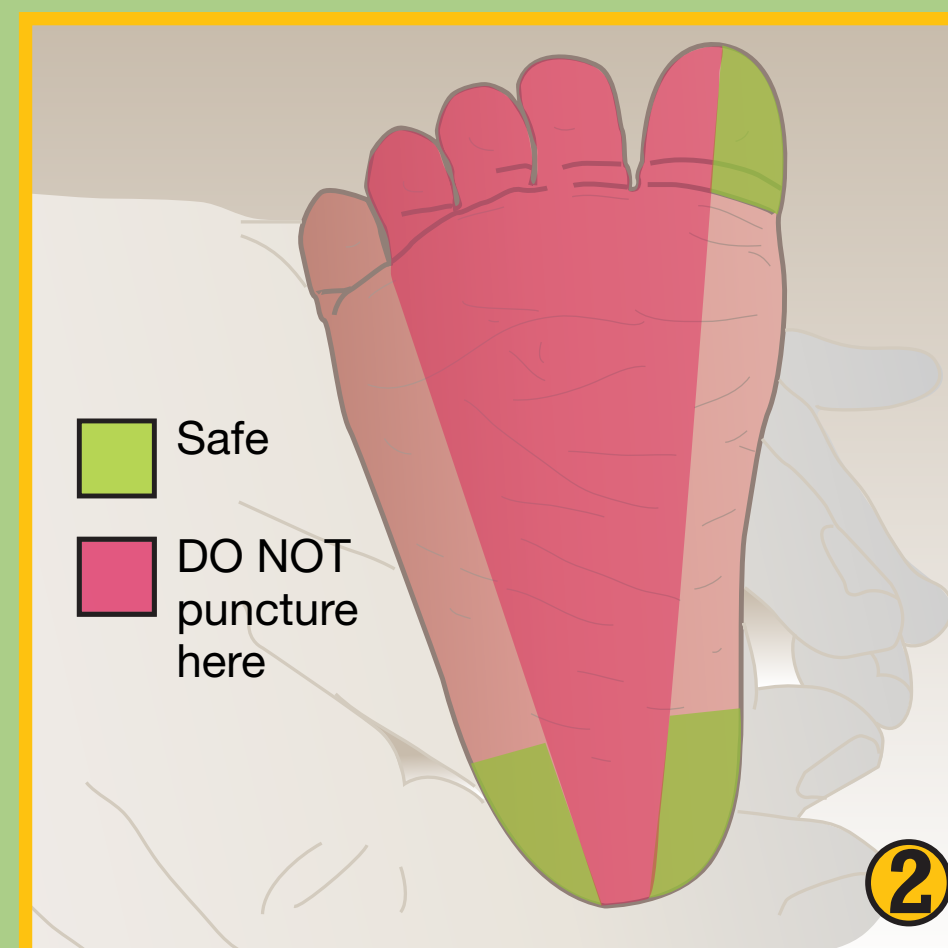
1. Fill out appropriate forms.

- Fill out DNA PCR Laboratory Requisition Form. Keep a copy for your records.
- Fill out the filter paper card as shown.
- Do not touch or spill anything on the filter paper.

District Code: JP 40-133-00001-1
 Facility Code: _____
 Patient #: _____
 NAME: JP 40-133-00001-1
 DATE: 15/4/2006
 DOB: 01/03/2006
 Facility: Kalingalinga H/C
 District: Lusaka

2. Choose the puncture site; warm the site.

- In small infants (≤ 9 kg) use the heel.
- In larger infants (>9 kg) use the heel or use the lateral aspect of the big toe.
- Warm the puncture site with your hand.



3. Have the caregiver hold the child with the foot down and the heel outward.



4. Puncture the site.

- Use Universal Precautions.
- Clean the puncture site with alcohol swab. Let dry for 30 seconds.
- Press lancet to prick the skin.
- Wipe away the first drop of blood.



5. Collect the DBS specimen.

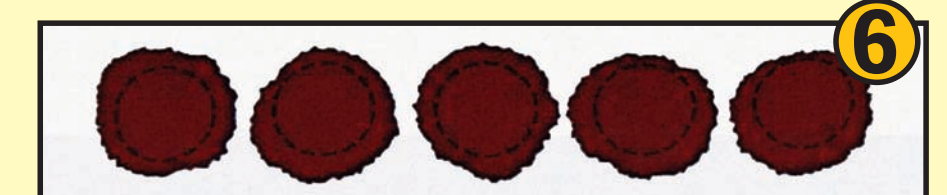
- Allow a second, large drop to form.
- Touch drop to filter paper card. Fill entire circle with the drop.
- Fill all 5 circles completely. Use only one drop to fill a circle; do not layer with multiple drops.
- If blood flow stops, gently massage the lower leg. Do not squeeze the foot.
- Clean the puncture site with a sterile swab. No plaster is needed.



6. Check the filter paper card to ensure the sample is valid and that the lab requisition form is completed correctly.

VALID sample

At least 3 good spots must be obtained; samples should fill or almost fill the circles.

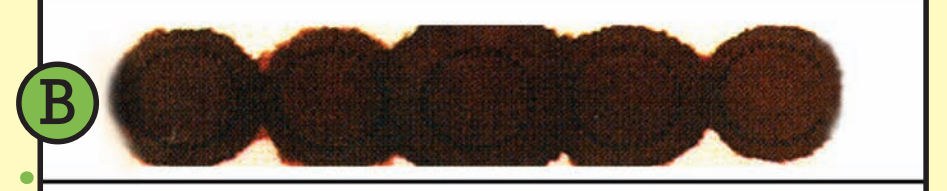


INVALID samples

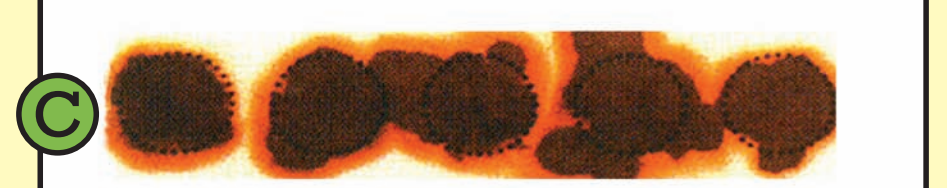
A - Poor collection technique.



B - Too much blood.



C - Serum rings or contaminated blood.



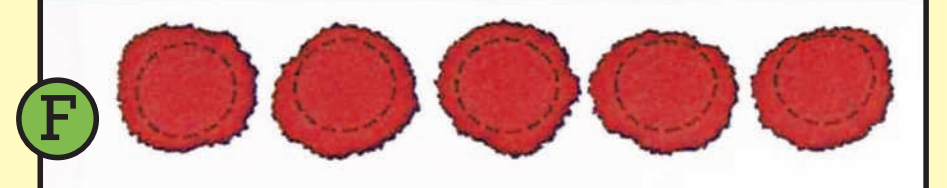
D - Layered or clotted blood.



E - Not enough blood.

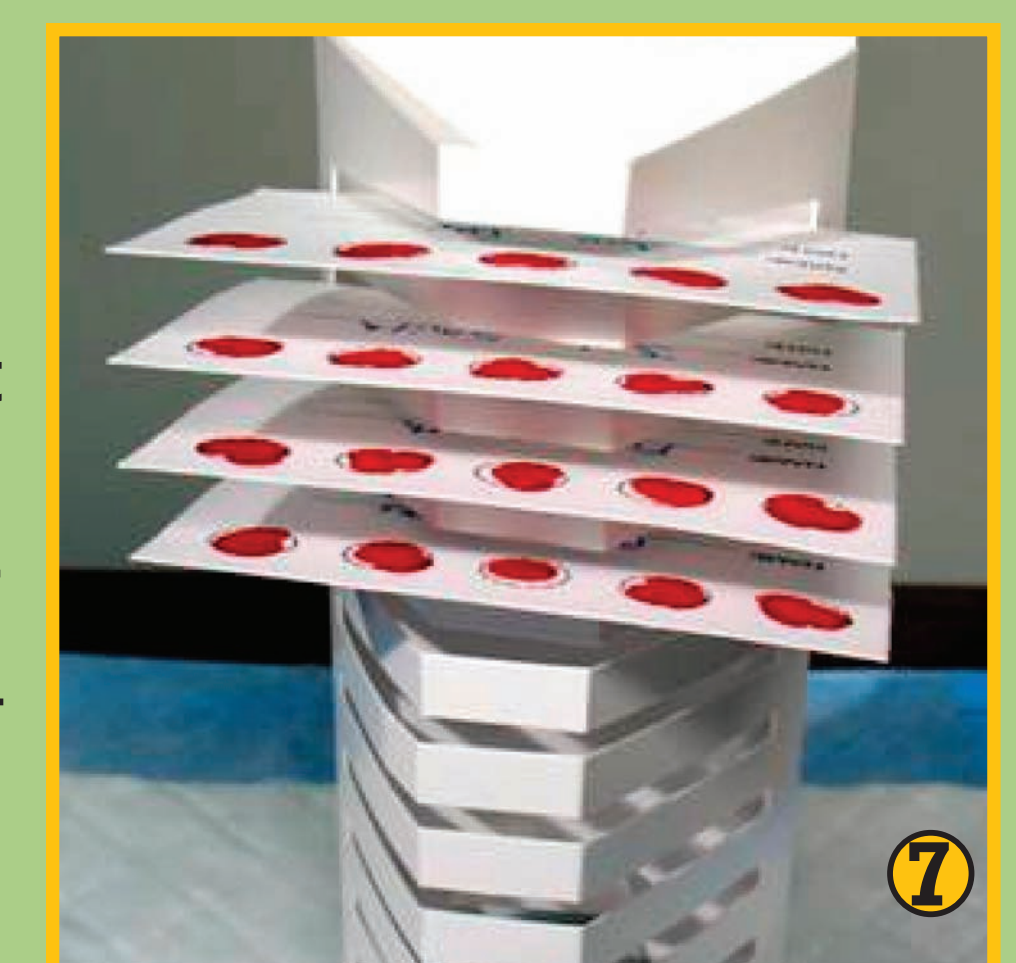


F - Blood not dried before mailing.



7. Air dry the specimen for at least 3 hours.

- Keep away from direct sunlight, dust and insects.
- Do not heat, stack or allow DBS specimen to touch anything while drying.
- Keep the lab requisition form near the filter paper card.
- Dry completely before packaging.



8. Stack dry filter paper cards between sheets of glassine paper and insert into sealable plastic bag.

- Add at least one desiccant packet for each card.
- Add humidity indicator card.
- Remove air and seal plastic bag.



9. Prepare samples and documentation for transport.

- Fill in Specimen Delivery Checklist. Keep a copy for your records.
- Confirm that all specimens are recorded in the clinic or ward logbook.
- Insert plastic bag and lab requisition form into envelope.
- Insert Specimen Delivery Checklist.
- Seal envelope.
- Clearly label envelope "Infant Specimens".
- Send to designated laboratory.