

Blood Filter Card Kit for Lead & Hemoglobin Screens

Supplies Needed:

- Completed requisition form
- Soap and water if available
- Sterile gauze
- Exam gloves
- HygaStat decontaminate swab
- Sterile finger lancet
- Blood filter card
- Alcohol prep pad
- Bandage

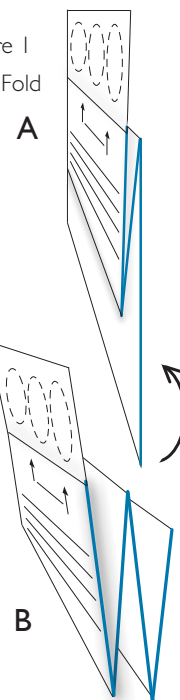
Preparation:

1. Complete the Patient, Specimen and Billing Information on the requisition form, including the collection date/time and initials of the collector.
2. Label the filter card by writing the patient's full legal name, second identifier (example: medical record number or date of birth), collection date/time and the initials of the collector.
3. Have the collector wash the patient's hands with soap and water.
4. Warm the hand using a warm wash cloth or have the patient vigorously rub their hands together until warm. *A warm finger will ensure a better flow of blood drops.*
5. Use the HygaStat Decontaminate swab and alcohol prep pad per instructions to decontaminate puncture site.
6. The following collection steps must be **strictly followed** to ensure adequate sample collection and accurate results.

Collection:

1. Open the filter card to expose the testing circles. Place the card on a clean, flat surface. Fold front flap completely over the back to show the Nationwide Children's logo at bottom of card (Picture 1- A). Then fold back flap in half to resemble an accordion style fold (Picture 1- B)
2. While holding the patient's hand, isolate the finger to be punctured (3rd or 4th finger is recommended). Use the HygaStat swab to decontaminate the area of the puncture site. Next, use the alcohol prep pad to rinse and disinfect the area.
3. Wipe the patient's finger with sterile gauze to dry thoroughly.
4. Puncture the prepared fingertip with the lancet. The puncture should be made perpendicular to the fingertip.
5. Gently "milk"/squeeze the finger to establish the first drop of blood and then wipe off the drop with sterile gauze. This drop is contaminated with excess tissue fluid.
6. Hold the exposed filter card in one hand and continue to gently "milk"/squeeze the finger with the other hand to allow one large drop of blood to accumulate. **Do not use strong repetitive pressure.**
7. Aim the one large blood drop over the center of the circle. Allow the one drop of blood to fall freely onto the center of one of the circles of the filter card. The blood cannot be touched off. The required drop size on the card is 1/2 inch per circle. (picture 2)

Picture 1
Profile Fold



Picture 2

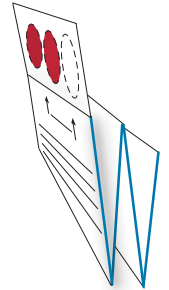
Do not allow the finger to touch the filter card. Do not put a 2nd drop of blood on top of the 1st drop.

8. Repeat steps 6 and 7 for the next circle to completely fill a minimum of two circles for lead or hemoglobin screening. Fill a third acceptable circle if screening for both lead and hemoglobin.
9. The circles are provided as a guide for the size of the sample. The blood drops must be soaked evenly through to the back of the filter card.

After Collection:

1. With sterile gauze, apply pressure until bleeding has stopped. Apply a bandage around the finger covering the puncture site.
2. Stand the opened sample card upright on the two folds "W" and allow to fully dry for at least 10 minutes before sending to the laboratory. (Picture 3)
3. After the spots have fully dried, unfold card and tuck cover in the front flap of the card.

Picture 3



Sending the sample:

1. Keep the bottom copy of the requisition for your records.
2. **Sending by courier:** Place the card in the provided biohazard bag and put the completed requisition in the pocket on the outside of the biohazard bag.
3. **Sending by mail:** Place the card in the small plastic zip-lock bag and put the bag into the envelope along with the completed test requisition. Multiple requisitions and samples may be placed in a single envelope.

Ideal Blood Filter Card Samples

Front	Back

- 2 blood circles provide an ideal sample for analysis.
- The free falling drop(s) will soak through to the back side of the card.

Note: The front and back of each circle is saturated evenly.

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Punched 1/8 inch diameter sample is removed from card for testing.

Acceptable Blood Filter Card Samples

Front	Back

Dashed circles are only a guide for sample size - off-center drop is acceptable

Front	Back

Barely acceptable sample - minimum drop size is 1/3 inch in diameter

Unacceptable Blood Filter Card Samples

Front	Back

Insufficient Sample:
The blood drop is not of adequate size.

Front	Back

Blood Wiped on Filter Card - Non Uniform Sample:
The filter card was touched by the finger surface. Blood did not soak through to the back of paper and multiple blood drops were applied.

Front	Back

Blood from other source:
A capillary tube or other device was used to transfer the sample. The drops do not soak through to the back side of the card and multiple blood drops were applied.

