

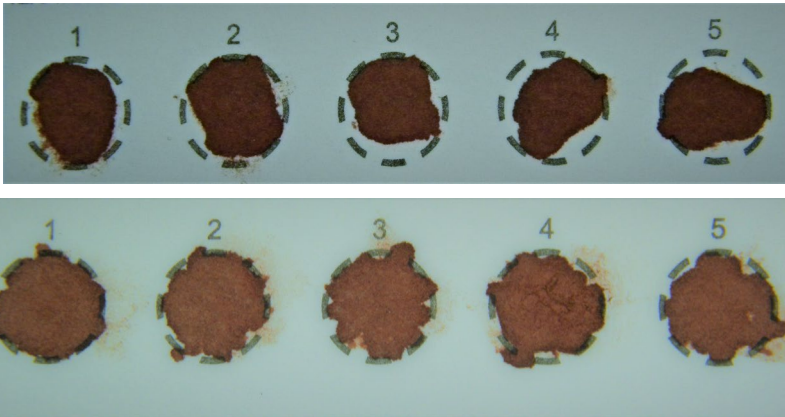
SPOTfocus

Newborn Screening Quality Improvement Hints

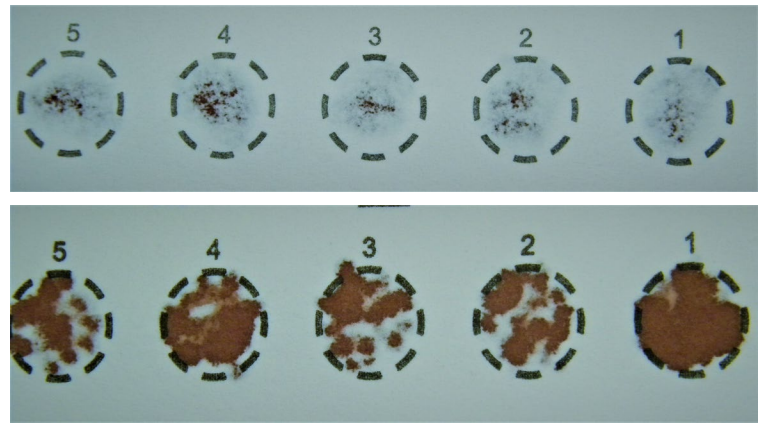
INCOMPLETE SATURATION

The design of the filter paper allows it to hold a specific amount of blood. Incomplete saturation will have too little blood for proper testing. An insufficient amount of blood may cause test results to be inaccurate; therefore, these specimens will be unsatisfactory for testing.

Front



Back



****These unsatisfactory examples show both sides of the same filter***

In 2025, over 3,000 newborn screening specimens were rejected because the blood did not completely and uniformly penetrate to the other side of the filter paper. All of these specimens required a recollection and caused critical delays to testing.

TIPS TO ENSURE A COMPLETELY SATURATED SPECIMEN

- Warm the newborn's heel around the intended area of the skin puncture site for three to five minutes.
- Place the sterile, retractable disposable heel lancet on the newborn's heel, apply gentle pressure to the lancet, and activate it to puncture the heel. Wipe off first drop of blood.
- Gently squeeze the newborn's heel to allow a LARGE round drop of blood to form.
- Lightly touch the LARGE drop of blood to the center of a pre-printed circle on the filter paper. Do not touch or rub the newborn's heel on the filter paper.
- Apply blood to one side only while viewing from the other side to ensure complete saturation of the entire pre-printed circle.
- Examine both sides of the filter paper to ensure that the blood completely and uniformly penetrated to the other side of the filter paper.
- If the blood flow diminishes, repeat the specimen collection procedure using a new lancet.
- To access specimen collection requirements, visit: bit.ly/4hhdYU2.



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