

What is a Quantity Insufficient Unsatisfactory Specimen?

*An **unsatisfactory specimen** is one that is poor quality in which the Newborn Screening adequacy may be affected.*

What are the reasons a specimen is deemed unsatisfactory?

* **Quantity Insufficient (QNS)**

- Clotted or Layered
- Scratched or Abraded
- Contaminated
- Specimen Too Old
- Damaged in Transit
- Collected on an Expired Card
- Patient Too Old

What does Quantity Insufficient mean?

QNS means there is **NOT enough blood** to complete the Newborn Screening panel, which includes retesting abnormal results and sending a specimen for confirmation.

How to prevent collecting a QNS specimen:

- Allow one large drop to form and fall on pre-printed circle.
- Ensure blood soaks through to opposite side.
- Blood drops should NOT touch one another.
- Dry card flat with blood application side facing up!

Questions or concerns?

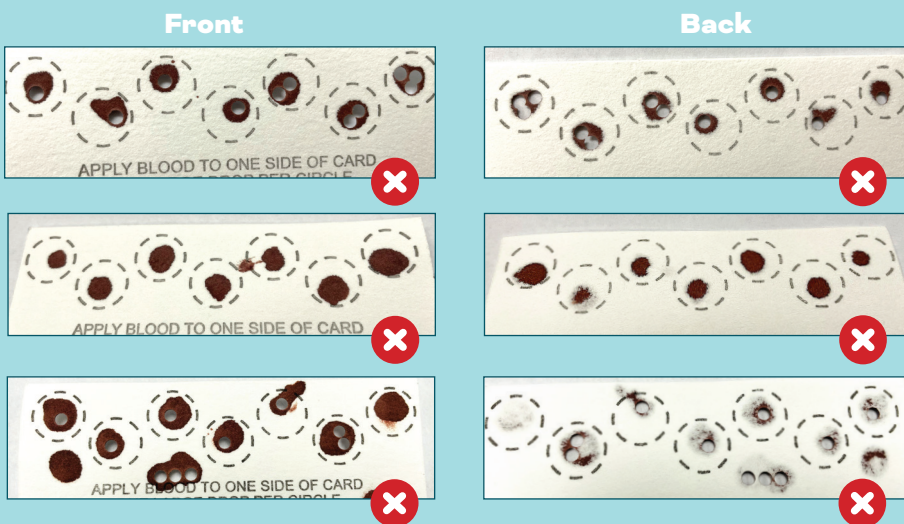
Contact the Newborn Screening Quality Improvement team at: nbsqi@dph.sc.gov

What causes QNS?

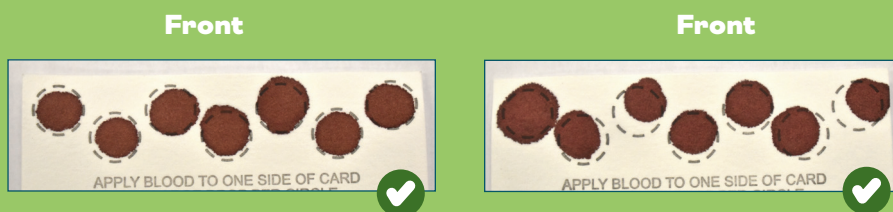
- Prematurely applying blood drop before a large drop has formed.
- Drop is less than 75% of pre-printed circle.
- Blood did not absorb fully or soak through the back.

What does a QNS specimen look like?

This is **NOT** enough blood to complete the testing.



Examples of Satisfactory Specimens



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