

Finger Stick Sample Requirements for DBS NAD Assay

Recommendations to aid in collection: 1) Run hands under warm water for a few minutes prior to collection. 2) Hydrate several hours before collection.

DISINFECT AND PRICK FINGER



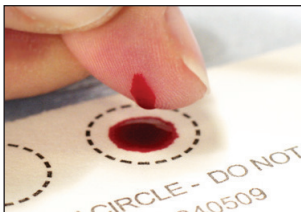
1. Wash hands with soap and warm water. Dry with clean paper towel.
2. Select a finger and wipe end of finger with alcohol prep pad. Allow skin to dry completely.

PUNCTURE USING LANCET DEVICE



3. Prick finger using a sterile single-use lancet according to manufacturer protocol:
 - Twist cap in either direction (as indicated by arrows) to remove.
 - Press end into skin until lancet is released.
4. Dry wipe first spot of blood from finger with gauze before spotting.

WIPE AWAY FIRST DROP OF BLOOD. LET SECOND DROP FALL ONTO CIRCLE. DO NOT FILL CIRCLE.



5. Spot blood onto filter paper card in the center of the circle outlines.
 - Only ONE spot of blood per circle.
 - **DO NOT ATTEMPT TO FILL CIRCLE.**
 - Do not spot on top of an existing blood spot.
 - Do not touch skin to the filter paper. If contact with skin occurs, wash hands immediately after collection.
 - Blood spot must soak through to back of card.
 - Back of filter paper should not be in contact with any surface while spotting or drying.
6. Allow blood spots to dry completely before storage (approximately 3 hours).
7. Close protective flap after sample has dried to protect from light exposure.
8. Place dry DBS card in biohazard bag with desiccant, seal, and store or ship.

Acceptable Specimen:



Unacceptable Specimens:



No blood



Supersaturated blood

Storage & Shipping Requirements:

- DBS samples collected for NAD assay may be stored at room temperature for up to 7 days or at $\geq -20^{\circ}\text{C}$ for up to 4 months.
- Samples should be shipped overnight once dried or immediately after removal from storage.

To ensure results are analyzed and returned expediently, follow these steps:

PREPARE PAPERWORK AND OBTAIN SAMPLE

1. Complete all fields on the test requisition and consent form using ball point pen.
2. Complete patient name and date on the DBS card.
3. Ensure the patient and/or parent(s) signature is captured on the consent form.
4. Use preferred collection method to fill all spots on the DBS card (see reverse side).

DRYING COLLECTED BLOOD SPOTS

5. Allow blood specimen to air dry horizontally at ambient temperature of 18° to 25°C (64° to 77°F), on nonabsorbent open surface for approximately **3 hours**.
 - Do not touch the blood spots while drying.
 - Keep protective flap open while drying.
 - Do not place test strips in front of air vents, use hair dryers, or other sources of moving air.
 - Test strips may be stored at room temperature for 7 days or at $\geq -20^{\circ}\text{C}$ for up to 4 months.
 - Once dry, with the protective flap closed, samples can be stacked.

PREPARE FOR SHIPPING

6. Ship DBS card, test requisition form, and consent form as soon as test strip is fully dried.
7. Ship by preferred method to:
PerkinElmer Genomics
ATTN: Metabolic Laboratory
250 Industry Drive, Suite 400
Pittsburgh, PA 15275

FREQUENTLY ASKED QUESTIONS

- All results will be sent by portal, fax, or mail to the recipient listed on the test requisition form.
- Notification of abnormal results will include a follow-up by a genetic counselor.
- For general questions on the collection and return of sample results, please call: PerkinElmer Genomics at +1 (866) 354-2910 (Monday-Friday, 8:00AM - 8:00PM ET) or on our website at perkinelmergenomics.com/contact/.



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