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NIPT Sample Collection and Transportation Guideline

1. Required Documentation:

- A completed **NIPT Test Request Form (TRF)** must accompany every sample.
- Ensure all patient information and clinical details are completed accurately, and the patient signs the form after understanding the limitations of the test.

2. Patient preparation:

- No prior preparation is required

3. Sample Type

- Peripheral blood

4. Collection Tube

- Long distance transport (when sample **cannot be delivered** to the lab **within 4 hrs** of collection): **Streck Tube** (should obtain from GenelabsX).
- Short distance: **EDTA Tube** (only if the sample **can be delivered** to the laboratory **within 4 hrs** of collection).

5. Sample Collection

- Label the collection tube before collecting the sample with minimum 2 identifiers (name with 2 parts of the name or name with initials, date of birth or age, gender compatible with TRF information).
- Streck Tube: Collect 8–10 mL of blood in **one** Streck tube.
- EDTA Tube: Collect 3–5 mL of blood in each of **two** EDTA tubes.

6. Storage

- **Streck tubes**: Store at room temperature. **Do not refrigerate or freeze.**
- **EDTA tubes**: Store in the refrigerator (2–8°C). **Do not freeze.**

7. Transport

- Streck Tube: Ambient temperature. The sample must reach the laboratory within 3 days of collection.
- EDTA Tube: Cold temperature (2–8°C). **Do not freeze or pack with ice packs / ice touching the tubes.** The sample must reach the laboratory within 4 hours of collection.

8. Important Notes

- Ensure the sample is properly labeled before transportation.
- Confirm that the TRF is fully completed. Date of birth, pregnancy type (singleton/twin) & weeks of pregnancy are compulsory.
- Samples that are unlabeled, inadequately labeled, or accompanied by incomplete documentation may be rejected.
- Samples received outside the recommended transport condition and time may fail testing and we will be unable to refund any payments.