



Institute of Kidney Disease & Research Centre

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Instructions for Sampling for Molecular genetic Tests

Each specimen must be clearly labeled with patient name and birth date. Requisition must supply name, birth date, gender, physician, originating lab or clinic, and clinical indication. Overnight shipping is acceptable where necessary.

Blood

7-10 cc blood in purple top vacutainer (EDTA) for adults and 3-5 cc for infants. Sample to be maintained at R.T. Samples should arrive within 48 hours (preferably 24 hours) of sampling.

For NIPT, Require 15 mL Blood in Streck Tube at Room Temperature. Samples should arrive within 48 hours (preferably 24 hours) of sampling.

Amniotic Fluid

10cc sterile amniotic fluid (avoid blood-stained samples) in a sterile screw-capped tubes (centrifuge tubes). Label with (a) Patients name (b) Gestational Age (c) Doctor's Name (d) Date and time drawn. Specimen to be kept at R. T.

Cultured amniocytes – 2x T25 Flasks.

Chorionic Villus Studies: -

This is studied at 10 – 13 weeks of pregnancy for various chromosomal & single gene disorders. Collect 10-20 mg cleaned villi on ice of good quality chorionic tissue in the provided media in aseptic condition & send it to laboratory.

Product of conception-Fetal Tissue/Placenta:

For DNA storage – Fetal thigh tissue (0.5 cm* 0.5 cm) small piece in NS.

For DNA Sample: - 5-15 µg.

All samples are to be sent immediately to **Molecular Genetics Laboratory (Room No.6018, 6th floor, IKDRC, Manjushree Mill Compound, Opp. M & J Eye Hospital, Baliyalimbdi Chowk, Asarwa, Ahmedabad – 380016)** between **9:00am to 5:00pm** on **Mon-Fri**. If sample delivery is delayed, please **refrigerate** but **DO NOT FREEZE**. If there are any questions about sample collection **Contact Molecular Genetics Laboratory Ph No.: 09427880242, 08128241982**. The Genetics Lab should be notified before any sample is sent for genetic studies. Requisitions are to be sent with all samples.