

Annexure 6

**Special instructions for obtaining prenatal or postnatal samples**

1. For chromosomal studies blood should be collected under aseptic condition. Clean skin with 70% ethanol or spirit, and mix the blood well to avoid clotting.
2. Before adding blood into an anticoagulated tube make sure there is anticoagulant in the tube. Mix the blood well by gentle rotation to avoid clotting or hemolysis.
3. If serum is required collect the blood in plain vial(yellow top), let blood clot, spin and separate the serum. Send the serum.
4. For DNA or biochemical studies keep the samples at 4° C, if delay is expected before sending the samples. Do not freeze.
5. Dispatch the samples by courier, so that they reach the laboratory within 48 hours of collection.
6. Diagnosis of other genetic disorders can be arranged. Please enquire for details.
7. Diagnosis by DNA techniques usually requires blood of the affected subject. It is important that blood/DNA of the affected child should be stored/banked so that it is available when required.

***Instructions for Sample Transport***

<b>For blood samples</b>	<b>For tissue/prenatal samples</b>
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<p><b>For Chromosomal analysis</b></p> <p>:karyotyping from blood or bone marrow</p> <p><b>Type of Vial:</b>Sodium Heparin (Green Top) &amp; it is to be collected under aseptic condition</p> <p><b>For Molecular analysis:</b> Peripheral blood (5mL)</p> <p><b>Type of Vial:</b> EDTA (Purple Top)</p> <p><b>For Biochemical analysis:</b> Peripheral blood (5-6mL)</p> <p><b>Type of Vial:</b> EDTA (Purple Top)</p> <p>For GALT assay - Sodium Heparin (Green Top)</p> <p>Dried blood sample (DBS) - minimum 3 spots of good quality</p> <p>Urine: In sterile tube (10-15mL)</p> <p><b>Transport temperature:</b></p> <ul style="list-style-type: none"> <li>• Winters: Room temperature</li> <li>• Summers: Cold; thermal box</li> </ul> <p>Do not freeze the samples</p>	<p>Amniotic fluid: Plain sterile tube (20mL)</p> <p>Chorionic villus tissue (20-25mg)</p> <p>Cord blood (1-2mL)</p> <p>Skin</p> <p>To be collected under aseptic condition in Transport media/normal saline with anticoagulant &amp; antibiotic</p> <p><b>Transport temperature:</b></p> <ul style="list-style-type: none"> <li>• Winters: Room temperature Summers: Cold; thermal box</li> </ul> <p>Transport time: 24-48 hours</p>
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Transport time: 24-48 hours (best within 24 hours for karyotype)	
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*It is imperative to inform and confirm with the respective lab of the division of genetics before sending any samples. This is essential for chromosomal studies and prenatal samples. Duly filled **requisition forms** for respective tests should be enclosed.*