Sample Requirements

NAT: Neonatal Alloimmune Thrombocytopenia
FETAL TYPING: Fetal Antigen Typing (NAT risk assessment)
PTP: Post Transfusion Purpura

McMaster Platelet Immunology Laboratory is the Ontario Reference Laboratory for the investigation of alloimmune platelet disorders.

Specimens Required:

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Specimen Type</th>
<th>Anticoagulant</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAT testing</td>
<td>Mother AND Father</td>
<td>Whole Blood and Serum</td>
<td></td>
</tr>
<tr>
<td>Baby’s typing</td>
<td>Baby</td>
<td>EDTA blood - 2mL</td>
<td></td>
</tr>
<tr>
<td>Fetal typing</td>
<td>Amniocytes</td>
<td>Amniotic fluid - 20mL or Cord blood 2mL</td>
<td></td>
</tr>
<tr>
<td>PTP testing</td>
<td>Patient</td>
<td>Whole Blood and Serum</td>
<td></td>
</tr>
</tbody>
</table>

Whole Blood: ACD or EDTA or Sodium Citrate anticoagulant 30 mL
- Draw 30 mL venous blood into anticoagulant
- Do NOT centrifuge
- Store and Ship at room temperature

Serum: Red top or Serum Separator Tube 10 mL
- Draw 10 mL blood into vacutainer
- Allow to clot – then centrifuge and transfer serum to plastic tube

Baby’s typing: EDTA blood 2mL
- draw 2 mL blood into EDTA tube
- Do NOT centrifuge. Store and Ship at room temperature

Fetal Typing: Amniotic Fluid (20mL into Red Top or non-anticoagulated tube)
- Amniotic Fluid: Discard first 3mL amniotic fluid drawn
- Then draw 20mL amniotic fluid for testing – use tube(s) without anticoagulant
- The sample can be drawn into red top vacutainers
- Important – KEEP STERILE Keep sample at ROOM TEMPERATURE

Fetal cord blood (2 mL - EDTA tube)

Shipping:
- Include Patient Data Form
- Ship Overnight using Courier so samples are received within 5 days of draw
- All shipment costs must be PREPAID by sender

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