

Test	Platelet Immunology investigations
Common Abbreviations	<p>AITC – Autoimmune thrombocytopenia PTP - Post transfusion purpura DIT – Drug related thrombocytopenia (excluding heparins) HPAT – Platelet transfusion refractoriness FNAT – Fetal/Neonatal alloimmune thrombocytopenia</p>
Profile	Platelet Immunology
Clinical indication	The investigation of platelet immunology can be performed to assist in the diagnosis autoimmune thrombocytopenia, neonatal and fetal alloimmune thrombocytopenia, post-transfusion purpura, drug-dependent antibody mediated thrombocytopenia and heparin induced thrombocytopenia.
Specimen type	Clotted samples and EDTA samples. Also sample of implicated drug plus pharmacological concentration used required for DIT requests.
Sample type	<p>AITC- 18mls EDTA blood and 6mls clotted sample (gold topped) PTP – 6mls EDTA blood and 6mls clotted sample (gold topped) DIT – 6mls of clotted sample (gold topped) plus sample of implicated drug (see above) HPAT - 6mls EDTA blood and 6mls clotted sample (gold topped) FNAT- Maternal Samples - 6mls EDTA blood and 6mls clotted sample (gold topped) Paternal Samples – 6mls EDTA blood Infant sample – 1ml EDTA blood (if possible) HITC – 6mls of clotted blood (gold topped sample)</p>
Minimum volume	As above
Special precautions	<p>A complete 3D Histocompatibility and Immunogenetics Request form is required (available from haematology HRI) Please provide details of heparin dose if appropriate. A haematology consultant must approve the request.</p>
Stability	24 hours
Turn-around time	<p>AITC – 5 days PTP- 7 days DIT – 20 days HPAT – 7 days FNAT – 5 days HITC – 3 days</p>
Referral Laboratory	<p>H&S Serology NHSBT Bristol 500 North Bristol Park Northway Filton Bristol BS34 7QH</p>



Reference interval	Details provided by referral laboratory
Limitations	Not specified