



Test	Platelet Function Testing
Common Abbreviations	Platelet aggregation, Glanzmann's Thrombasthenia screening
Profile	Platelet aggregometry, Platelet glycoprotein analysis
Clinical indication	For investigation of potential platelet function defects. Platelet glycoprotein analysis can be used to diagnose Glanzmann's Thrombasthenia.
Specimen type	Blood
Sample type	Platelet aggregometry: Adult & Paediatric - Blue top citrated *A discard EDTA sample must be taken prior to collection of citrated samples* Platelet glycoprotein analysis: Adult & Paediatric - Purple top EDTA
Minimum volume	Platelet aggregometry: Adult - 6x blue top citrate samples (3ml each) / Paediatric - 6x blue top citrate samples (1.3ml each) Platelet glycoprotein analysis: Adult - 1x EDTA / Paediatric - 2x EDTA samples
Special precautions	Platelet aggregometry and platelet glycoprotein analysis must be authorised by a Consultant Haematologist and discussed with the haematology laboratory/haemophilia nursing team before arranging sample collection
Stability	Platelet aggregometry: 2 hours Platelet glycoprotein analysis: 3 hours
Turn-around time	Platelet aggregometry: 24 hours Platelet glycoprotein analysis: 1 week
Laboratory	Platelet aggregometry: HRI Platelet glycoprotein analysis: Cell Marker Laboratory (H Floor), Royal Hallamshire Hospital, Glossop Road, Sheffield, S10 2JF
Reference interval	Platelet aggregometry: Issued with report Platelet glycoprotein analysis: Provided by referral laboratory
Limitations	Several medications and herbal remedies can affect platelet function and cause abnormal platelet aggregation