



Molecular Haematology – Test Request Form

Laboratory contacts: Main number: 0141 354 9300 | Email: ggc.laboratory.genetics@nhs.scot
Molecular Haematology Duty Scientist: 0141 354 9291 | Chimerism Duty Scientist: 0141 354 9303
Scottish Genomic Test Directories : <https://www.genomics.nhs.scot/test-directories/>

Send samples to: Laboratory Genetics, Laboratory Medicine Building (Level 2B),
Queen Elizabeth University Hospital, 1345 Govan Road, Glasgow, G51 4TF

<p>PATIENT DETAILS Affix printed label</p> <p>Surname:</p> <p>Forename:</p> <p>CHI number:</p> <p>Date of birth:</p> <p>Sex: Male / Female</p> <p>Postcode:</p>	<p>For Laboratory Genetics use:</p> <p>Lab Number(s)</p>
REFERRER	
<p>Consultant:</p> <p>Location:</p> <p>Email:</p>	
<p>SAMPLE DETAILS - all samples for molecular requests must be in EDTA tubes.</p> <p>Sample date and time (<i>compulsory</i>):</p> <p>Sample type:</p> <p>Peripheral blood (PB) (in EDTA): <input type="checkbox"/></p> <p>Bone marrow (BM) (in EDTA): <input type="checkbox"/></p>	
<p>CLINICAL DETAILS (relating to the testing requested):</p> <p style="text-align: right;">Urgent: <input type="checkbox"/></p>	
<p>Extract and store only (no testing required): <input type="checkbox"/></p>	
<p>Test - Indicate test(s) required by ticking the appropriate row(s) in the tables below.</p> <p>[48 hrs]: Indicates that samples must arrive at Laboratory Genetics within 48 hours of collection. [Same day]: Indicates that samples must arrive at Laboratory Genetics the day of collection.</p>	

Acute Myeloid Leukaemia (AML) - abbreviations: Internal Tandem Duplication (ITD), Tyrosine Kinase Domain (TKD), Minimal Residual Disease (MRD)

Timepoint	Test	Sample Requirement	Tick
Diagnostic	FLT3 ITD & TKD, NPM1 and Myeloid NGS	4 mL PB, or BM	
Diagnostic	IDH1 rapid	4 mL PB, or BM	
MRD	NPM1 MRD	20 mL PB, or BM [48 hrs]	
MRD	Fusion MRD	20 mL PB, or BM [48 hrs]	
MRD	FLT3 ITD NGS	4 mL PB, or BM	
MRD	Flow MRD	BM [Same day]	
Relapse	FLT3 ITD & TKD, NPM1 and Myeloid NGS	4 mL PB, or BM	
Relapse	IDH1 rapid	4 mL PB, or BM	

Chimerism - abbreviations: Lymphoid /Myeloid (L/M)

Timepoint	Test	Sample Req.	Tick
Pre-transplant - recipient	Marker identification	4 mL PB	
Pre-transplant - donor	Marker identification	4 mL PB	
Post-transplant - whole sample	Chimerism analysis	4 mL PB, or BM	
Post-transplant - L/M split	Chimerism analysis	20 mL PB, or BM [48 hrs]	



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Chronic Myeloid Leukaemia (CML) and Acute Lymphoblastic Leukaemia (ALL)

Condition	Test	Sample Requirement	Tick
CML - diagnostic	BCR::ABL1 fusion transcript identification	20 mL PB, or BM [48 hrs]	
CML - MRD	BCR::ABL1 monitoring	20 mL PB, or BM [48 hrs]	
CML or ALL resistance	ABL1 TKD sequencing	20 mL PB, or BM [48 hrs]	
ALL- diagnostic*	BCR::ABL1 fusion transcript identification	20 mL PB, or BM [48 hrs]	
ALL - MRD*	BCR::ABL1 monitoring	20 mL PB, or BM [48 hrs]	

* For ALL tests other than BCR::ABL1 please use the request forms found here:

<https://www.nhsggc.scot/staff-recruitment/staff-resources/laboratory-medicine/laboratory-genetics/information-for-healthcare-professionals/>

Myeloproliferative Neoplasm (MPN) - abbreviations: Polycythaemia vera (PV), Essential thrombocythemia (ET), Myelofibrosis (MF)

Condition	Test	Sample Requirement	Tick
PV	MPN NGS	4 mL PB, or BM	
ET	MPN NGS	4 mL PB, or BM	
MF	MPN NGS	4 mL PB, or BM	
MPN unspecified	MPN NGS	4 mL PB, or BM	
MF – transplant eligible	Myeloid NGS	4 mL PB, or BM	

Other Testing Indications - abbreviations: Myelodysplastic Syndrome (MDS), Chronic Lymphocytic Leukaemia (CLL), Systemic mastocytosis (SM)

Condition	Test	Sample Requirement	Tick
CLL	TP53 NGS and FISH	10 mL PB, or BM	
CLL	IgHV mutation analysis	20 mL PB, or BM [48 hrs]	
Eosinophilia	FIP1L1::PDGFRA	20 mL PB, or BM [48 hrs]	
Eosinophilia	FIP1L1::PDGFRA extended	20 mL PB, or BM [48 hrs]	
Lymphoproliferative neoplasm	Lymphoid NGS	4 mL PB, or BM	
MDS	Myeloid NGS	4 mL PB, or BM	
MDS/MPN overlap	Myeloid NGS	4 mL PB, or BM	
Hypoplastic MDS/Aplastic Anaemia	Myeloid NGS	4 mL PB, or BM	
Paediatric leukaemia	RNA Fusion NGS	20 mL PB, or BM [48 hrs]	
SM	cKIT p.(Asp816Val) [D816V]	4 mL PB, or BM	
SM - cKIT p.(Asp816Val) negative	cKIT extended testing	4 mL PB, or BM	

For Laboratory Genetics use: Sample Reception and Duty Scientist notes:

Sample type check:

Sample volume: