

Specialist Integrated Haematological Malignancy Diagnostic Service (SIHMDS)
Genetic testing provided by South West Genomic Laboratory Hub (SW GLH)

Address: Pathology Sciences, North Bristol NHS Trust, Southmead Hospital, Westbury-on-Trym, Bristol BS10 5NB www.bhods.com

PATIENT DETAILS

Surname:	Given Name:	Originating Hospital	Consultant
NHS Number:	Hospital Number:	Postcode	NHS: Private: Research:
DOB: Male / Female	Priority: Urgent Routine	Previous investigation at BHODS? Yes / No	Known danger of infection sample? Yes / No

SPECIMEN DETAILS

Specimen type(s):	Marrow aspirate Skin (Germline)	Marrow trephine Saliva	Blood Other fluid/tissue (specify)	Lymph node
Biopsy site:				Trial Samples : Yes / No
Specimen date & time			TRIAL:	TRIAL ID:

CLINICAL DETAILS / SUSPECTED DIAGNOSIS: Diagnostic Relapse Follow-up / MRD

Details of relevant current/previous treatment:

Hb: WBC: Neuts: Lymphs: Plts: Other relevant:

INVESTIGATIONS REQUIRED:

Aspirate morphology	Flow cytometry	Cytology / Cellular Pathology
Genetic Testing:	Cytogenetics/FISH	Molecular testing

Genetic testing will be undertaken according to the [National Genomic Test Directory](#) and, unless otherwise indicated, agreed diagnostic algorithms. If additional/stand-alone genetic testing is required specify below:

Gene panel: Sub-panel:	MPN Sequential:	FISH :1.	Karyotype
	JAK2(V617F) [M85.14]		AKD
Monitoring: BCR-ABL1: <input type="checkbox"/> ALL MRD: Other Specify target:	PV: JAK2(ex12) [M85.15] <input type="checkbox"/> ET/MF: CALR [M85.16]/MPL [M85.17]	2.	WGS
	MPN gene panel [M85.2]	Clonality B [M95.1] /T[M111.1]	Storage

Other Specify:

REQUESTOR DETAILS

Specimen sent by:	Contact details:
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In submitting this sample the clinician confirms that consent has been obtained to test for the suspected disorder and for cellular/DNA/RNA storage.

May this sample be used for research? Yes / No

FOR LABORATORY USE

Date Received: Time Received:	Initials:	Samples:	Genetics LN:
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SAMPLE ADVICE

Blood / Marrow aspirate samples	Morphology	PB slides x2 + BM slides x3 PB 5ml in EDTA +/- BM Asp 2ml in EDTA
	Cytogenetics / FISH	PB 5ml in Li Heparin BMA 1-2ml in heparinised tissue culture medium (available from Genetics)
	Molecular Investigations	PB 10-20ml in EDTA BMA 1-2ml in EDTA RNA samples (e.g. BCR-ABL) must reach lab within 72hrs Samples for WGS must reach the lab within 72 hours
Tissue samples	BM Trephine	Formalin Samples for DNA extraction or WGS must be unfixed.
	Lymph Node or extranodal tissue for histology	Formalin
	Lymph node FNA for cytology	Smear slides, needle washings in CytoLyt (latter is not needed if fixed tissue and fresh sample are also provided)
	Fresh tissue/FNA for flow cytometry and/or genetics	Saline or cell culture medium (without coagulation or preservative). Please alert laboratory flowlab@nbt.nhs.uk tel: 0117 414 8377 NB Samples placed in Formalin or CytoLyt (an alcohol preservative) cannot be used for flow cytometry
	Germline skin	Collected in sterile container and shipped cold to reach lab in <72hours
FFPE tissue samples for genetics	Molecular testing (gene mutations, clonality)	10 x 5µm curls in a sterile Eppendorf (if tumour content >20%) or 10 x 5µM slides (if tumour content is <20%).
	FISH	2x4µm sections per test on 'APES' or 'sticky' slides with an If <20% neoplastic content then an accompanying H&E slide with the appropriate tumour-rich areas marked, is required
Other samples	CSF/Ascites/Pleural Fluid/Breast Seroma fluid/Other for cytology/flow cytometry/genetics	In sterile container. Please send immediately to lab to avoid sample deterioration.

National Genomics Test Directories: <https://www.england.nhs.uk/publication/national-genomic-test-directories/>

CONTACT DETAILS

Flow cytometry: Nigel Noel / Paul Virgo	Tel: 0117 414 8373 / 8377, Fax: 0117 414 8382 Email: nigel.noel@nbt.nhs.uk / paul.virgo@nbt.nhs.uk / flowlab@nbt.nhs.uk
Genetics: Chris Wragg, Paula Waits, Jeremy Hancock, Tim Clench	Tel: 0117 414 6173, Fax: 0117 414 6464 Website: https://www.nbt.nhs.uk/south-west-genomic-laboratory-hub Email: nbn-tr.haematooncology@nhs.net
Histopathology / Cytology: Dr Joya Pawade , Dr Yuening Zhang	Tel: 0117 414 9838, Fax: 0117 414 9390 Email: joya.pawade@nbt.nhs.uk / Yuening.zhang@nbt.nhs.uk
Haematology Laboratory: Paul Virgo	Tel: 0117 414 8373 Fax: 0117 414 8382 Email: paul.virgo@nbt.nhs.uk