BHODS | Bristol Haemato-Oncology Diagnostic Service

NHS Severn Pathology

Specialist Integrated Haematological Malignancy Diagnostic Service (SIHMDS)

Pathology Sciences, North Bristol NHS Trust, Southmead Hospital, Westbury-on-Trym, Bristol BS10 5NB

Website: Haematological Malignancy Diagnostics (SIHMDS) | North Bristol NHS Trust (nbt.nhs.uk)

Flow lab: Flowlab@nbt.nhs.uk **Tel.** 0117 414 8377

Cellular pathology consultants: CellularPathologyHaemPathTeam1@nbt.nhs.uk

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 ☐ Marrow trephine ☐ Blood ☐ Lymph node ☐
Skin (Germline) ☐ Saliva ☐ Other fluid/tissue (specify) ☐ ……..

Biopsy site: ……

Specimen date & time

Trial Samples : **Yes ☐ / No ☐**

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: *Genetic testing will be undertaken according to the National Genomic Test Directory and, unless otherwise indicated, agreed diagnostic algorithms. See overleaf for additional detail.*

REQUESTOR DETAILS

Specimen sent by:	Contact details:

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:

SAMPLE REQUIREMENTS (see overleaf for Genetic sample requirements)	
Morphology	Blood / Marrow aspirate samples; PB slides x2 + BM slides x3, PB 5ml in EDTA +/or BM Asp 2ml in EDTA
Flow cytometry	Blood or bone marrow in EDTA
Tissue	BM Trephine/Lymph Node or extranodal tissue for histology in Formalin
Tissue Other samples	Lymph node FNA for cytology: smear slides, needle washings in CytoLyt
	Fresh tissue for flow cytometry and 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**
	CSF/Ascites/Pleural Fluid/Breast Seroma fluid/Other for cytology/flow cytometry/genetics in sterile container or in cell culture medium. Please send immediately to lab to avoid sample deterioration.

GENOMIC TESTING: Further information on genomic testing is available from the South West Genomic Laboratory Hub and the National Genomic Test Directory for Cancer.

Indication	Test	Sample
ALL[M91]	☐ Diagnosis/Relapse	A & B
	☐ *TPMT/NUDT15*	B
	☐ MRD Monitoring [M91.23]	B
	☐ Other Monitoring: Other (please specify)	B
AML[M80]	☐ Diagnosis/Relapse	A & B
	☐ APL (PML/RARA) [M80.29]	A & B
	☐ MLDS panel (*GATA1*) [M80.19]	A & B
	☐ *NPM1* Monitoring [M80.9]	B
	☐ Monitoring (Specify target): Other (please specify)	B
CLL [M94]	☐ IgVH [M94.5]	B
	☐ *TP53* (17p) deletion [M94.4] and mutation [M94.1]	A & B
CML [M84]	☐ *BCR-ABL1* diagnosis [M84.1]	B
	☐ *BCR-ABL1* monitoring [M84.2]	B
	☐ *BCR-ABL1* TKD NGS [M84.8]	B
	☐ Karyotype [M84.4]	A
CNL [M87]	☐ *CSF3R* [M87.1]	B
HCL	☐ *BRAF* [M108.1]	B
Histiocytosis	☐ DNA panel [M117.1]	B/C
	☐ Fusion panel [M117.2]	B/C
LGL[M114]	☐ LGL panel (*STAT3/ STAT5B*) [M114.1]	B
LPL [M104]	☐ LPL panel (*MYD88/CXCR4*) [M104.1]	B
Lymphoma	☐ FISH (1) Other (please specify)	B/D
	☐ FISH (2) Other (please specify)	B/D
	☐ B-NHL Clonality [M225.1]	B/C
	☐ T-NHL Clonality [M225.3]	B/C
	☐ Gene Panel (specify) Other (please specify)	B/C

Indication	Test	Sample
MDS [M82]	☐ Karyotype [M82.2]	A
	☐ SNP Array [M82.2]	B
	☐ MDS gene panel [M82.1]	B
MDS/MPN [M224]	☐ Karyotype [M224.2]	A
	☐ *PDGFR* FISH [M224.6]	A
	☐ *BCR-ABL1* [M224.10]	A
	☐ MDS/MPN gene panel [M224.1]	B
	☐ JMML gene panel [M88.1]	B
MPN [M85]	☐ *JAK2*(V617F) [M85.14]	B
	☐ *JAK2*(ex12), *CALR, MPL* [M85.1]	B
	☐ *BCR-ABL1* [M85.11]	B
	☐ MPN gene panel [M85.2]	B
	☐ Karyotype [M85.3]	A
	☐ *PDGFR* FISH [M85.7]	A
	☐ Eosinophilia panel [M85.35]	B
Myeloma [M92]	☐ FISH panel	A
SM [M86]	☐ *KIT* (D816V) [M86.2] ☐ SM panel [M224.1]	B
Storage	☐ Cell suspension	A
	☐ Plasma cell enriched	A
	☐ DNA	B
	☐ RNA	B
TAM [M81]	☐ *GATA1* [M81.1]	B
Whole Genome Sequencing (WGS)*:		
☐ Acute Leukaemia		B & E
☐ WGS for TYA (≤25 years old)		
☐ WGS for proven or suspected haematological tumour exhausted all standard of care testing/treatment		
Other information/Testing requirements: Specify:		

Sample Code	Genetics Requirements
A	5ml blood in Lithium Heparin/1-2ml BMA 1-2ml in heparinised tissue culture medium
B	10-20ml blood/1-2ml BMA in EDTA Samples for molecular monitoring and WGS to reach the lab within 72 hours
C	Tumour content >20%: 5 x 10µm curls in a sterile Eppendorf Tumour content <20%: 10 x 5µM slides with **tumour rich areas** marked on accompanying H&E
D	2x4µm slides per test (on 'APES' or 'sticky' slides) with **tumour rich areas** marked on accompanying H&E.
E	Skin biopsy for germline analysis, fresh (NOT fixed) sample in sterile saline to reach the lab within 72 hours.
***WGS**	Tumour sample: FRESH (not fixed) sample with >30% tumour, <20% necrosis Germline sample: skin (E) or remission (<0.1% MRD) blood/marrow (B) Record of Discussion and Test Order form . Contact rde-tr.swgenomicpractitioner@nhs.net for further information.