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: ☐
Date of Birth: 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: ……..

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

Please ensure BOTH SIDES of this request are completed and returned with genetics samples.

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 Lab ID:

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:	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):	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
LGL[M114]	☐ LGL panel (*STAT3/ STAT5B*) [M114.1]	B
LPL [M104]	☐ LPL panel (*MYD88/CXCR4*) [M104.1]	B

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
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 & C
☐ WGS for TYA (≤25 years old)		
☐ WGS for proven or suspected haematological tumour exhausted all standard of care testing/treatment		

Test	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
Genetics	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) Skin biopsy for germline analysis, fresh (NOT fixed) sample in sterile saline to reach the lab within 72 hours.
	Molecular and FISH testing is possible on formalin fixed, paraffin embedded tissue sections. Please contact the laboratory for further details if required.
	***WGS** Tumour sample: FRESH (not fixed) sample with >30% tumour, <20% necrosis Germline sample: skin (C) or remission (<0.1% MRD) blood/marrow (B) Record of Discussion and Test Order form . Contact rde-tr.swgenomicpractitioner@nhs.net for further information.
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.