

#### **Oncology - Tests Performed According to Disease Entity**

The oncology section provides genomic analysis of samples from patients with a range of haematological malignancies and lymphoproliferative conditions. The results obtained assist in diagnosis and classification, provide prognostic information for use in risk stratification, can direct therapeutic choice, and enable assessment of residual disease status post-treatment and/or post-transplant. The oncology section also provides FISH testing for a limited range of sarcomas and solid tumours.

The table below aims to provide information about available genomic testing according to clinical indication. Testing strategies may vary depending on sample type, sample volume, disease stage and specific requests by clinicians, therefore not all listed tests for a specific indication may be undertaken on every sample received. The test indicated in the table below are undertaken according to the National Genomics Test Directory (NGTD) for Cancer (<a href="https://www.england.nhs.uk/publication/national-genomic-test-directories/">https://www.england.nhs.uk/publication/national-genomic-test-directories/</a>) and , unless otherwise specified, agreed diagnostic algorithms.

The laboratory will attempt to preserve material for additional testing on all samples received. Specimens are retained by the laboratory in order to repeat analysis or to enable additional analysis to be performed. All samples are retained for a minimum of 5 years.

For any additional information or specific testing request, email <a href="mailto:shc-tr.WRGLdutyscientist@nhs.net">shc-tr.WRGLdutyscientist@nhs.net</a>.

Suspected diagnosis	Sample type	Cytogenetics (NGTD code when applicable)	Molecular Genetics (NGTD code when applicable)
Leucocytosis/Raised WBC/ Neutrophilia			
	РВ	<ul> <li>BCR/ABL1 FISH (M85.24)</li> <li>Karyotype (on request or if BCR/ABL1 positive by FISH) (M85.3)</li> </ul>	<ul> <li>MPN panel (JAK2, MPL &amp; CALR) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
	ВМ	<ul><li> BCR/ABL1 FISH (M85.24)</li><li> Karyotype (M85.3)</li></ul>	<ul> <li>MPN panel (<i>JAK2</i>, <i>MPL</i> &amp; <i>CALR</i>) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
Eosinophilia			
	PB	• FIP1L1/PDGFRA FISH (M85.7)	<ul> <li>Myeloid NGS panel (M85.2)<sup>2</sup></li> <li>FIP1L1/PDGFRA RT-PCR (M85.7)<sup>4,#</sup></li> <li>STAT5B variant testing <sup>4,5,#</sup></li> <li>JAK2 exon 13 variant testing <sup>4,5,#</sup></li> </ul>
	ВМ	<ul><li>FIP1L1/PDGFRA FISH (M85.7)</li><li>Karyotype (M85.3)</li></ul>	<ul> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> <li>FIP1L1/PDGFRA RT-PCR (M85.7) <sup>4,#</sup></li> <li>STAT5B variant testing <sup>4,5,#</sup></li> </ul>





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			JAK2 exon 13 variant testing 4,5
Erythrocytosis/Polycythaemia/Raised haematocrit/Thrombocytosis/Raised platelets			
	РВ	• FISH for <i>BCR/ABL1</i> if there is suspicion of CML (i.e. basophilia & thrombocytosis) (M85.24)	<ul> <li>MPN panel (JAK2, MPL &amp; CALR) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
	ВМ	<ul> <li>FISH for BCR/ABL1 if there is suspicion of CML (i.e. basophilia &amp; thrombocytosis) (M85.24)</li> <li>Karyotype (on request; ?for triple negative) (M85.3)</li> </ul>	<ul> <li>MPN panel (JAK2, MPL &amp; CALR) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
Myeloproliferative neoplasms (MPN) including: ET, PRV, MF			
Cases referred for suspected/confirmed MPN will be tested with an MPN-panel which uses targeted amplicon NGS to analyse the hotspots on the three candidate MPN genes <i>JAK2</i> , <i>CALR</i> and <i>MPL</i> . The assay provides information on all 3 genes simultaneously rather than requiring sequential testing.	PB	<ul> <li>Tests available only on request:</li> <li>FISH for FIP1L1/PDGFRA if eosinophilia present (M85.7).</li> <li>FISH for BCR/ABL1 if there is suspicion of/to exclude CML (e.g. basophilia with thrombocytosis) (M85.24)</li> </ul>	<ul> <li>MPN panel (JAK2, MPL &amp; CALR) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
Chromosome analysis is not routinely performed for MPN due to the low abnormality rates, and will not be attempted on blood. However, this can be requested on specific cases for BM samples.  The myeloid NGS panel is only performed when specifically requested.	ВМ	Karyotype (on request; e.g MF; triple-negative cases) (M85.3)  Additional tests available on request:     FISH for FIP1L1/PDGFRA if eosinophilia present (M85.7)     FISH for BCR/ABL1 if there is suspicion of/to exclude CML (e.g. basophilia with thrombocytosis) (M85.24)	<ul> <li>MPN panel (JAK2, MPL &amp; CALR) (M85.1) <sup>1</sup></li> <li>Myeloid NGS panel (M85.2) <sup>2</sup></li> </ul>
Aplastic anaemia (AA)/MDS			
	РВ	• FISH (on request; minimal FISH panel: -5/5q-, -7/7q- & -17/17p-, <i>MECOM</i> b/a) (M82.)	Myeloid NGS panel (M82.1) <sup>2</sup>
	BM	Karyotype (M82.2)	Myeloid NGS panel (M82.1) <sup>2</sup>





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		<ul> <li>FISH (if required, particularly if karyotype fails or limited analysis; minimal FISH panel: -5/5q-, -7/7q- &amp; -17/17p-, MECOM/3q b/a) (M82.)</li> <li>SNP array can be undertaken in cases with failed karyotype analysis upon discussion with the laboratory ((M82.2)</li> </ul>
MPN/MDS overlap syndromes		
	РВ	• FISH (on request; minimal FISH panel: -5/5q- , - 7/7q- & -17/17p-, <i>MECOM/</i> 3q b/a) (M224.) Myeloid NGS panel (M224.1) <sup>2</sup>
	вм	<ul> <li>Karyotype (M224.2)</li> <li>FISH (if required, particularly if karyotype fails or limited analysis; minimal FISH panel: -5/5q-, -7/7q-&amp;-17/17p-, MECOM/3q b/a) (M224.2)</li> </ul>
Chronic Myeloid Leukaemia (CML) including CP and BC		
Diagnosis. Urgent BCR/ABL1 FISH, karyotype and RT-PCR to determine transcript breakpoints.  Post-treatment BMs can be screened for Ph by cytogenetics or FISH to monitor the initial response to treatment. However, more sensitive methods would be required (such as real time quantitative RT-PCR) to monitor patients after cytogenetic remission is achieved.	PB & BM	<ul> <li>FISH for BCR/ABL1 (M84.3)</li> <li>Karyotype to confirm t(9;22) and check for further abnormalities (M84.4)</li> <li>Additional FISH to clarify/exclude additional abnormalities (when required) (M84.)</li> </ul>
Progression/transformation/rising level of BCR::ABL1 transcripts. Karyotype and FISH.		
Molecular monitoring: molecular monitoring of the BCR::ABL1 transcript using real-time quantitative RT-PCR is not performed at this laboratory, but at the Wessex Genomics Laboratory Service at University Hospital Southampton.		





Testing for BCR::ABL1 TKD mutations for patients who either fail to respond to treatment or lose their response is performed at the West Midlands Regional Genetics Laboratory in Birmingham. Samples for this test should be sent to the Wessex Genomics Laboratory Service at University Hospital Southampton who will then forward material to the Birmingham Laboratory.			
Mast cell disorders/ mastocytosis			
	РВ	X	<ul> <li>KIT D816 by digital PCR (M86.2)</li> <li>Extended KIT NGS panel (exons 2, 8, 9, 10, 11 &amp; 17) (M86.1) 8</li> <li>Myeloid NGS panel for SM-AHN (M85.2) 2</li> </ul>
	BM (preferable)	Karyotype only for advanced systemic mastocytosis on request (M85.3)	<ul> <li>KIT D816 by digital PCR (M86.2)</li> <li>Extended KIT NGS panel (exons 2, 8, 9, 10, 11 &amp; 17) (M86.1) <sup>7</sup></li> <li>Myeloid NGS panel for SM-AHN (M85.2) <sup>2</sup></li> <li>For patient &lt;18 years: additional automatic testing for KIT K509I and KIT D419del <sup>4,#</sup></li> </ul>
Acute Myeloid Leukemia (AML)			
<u>Diagnosis</u> : All samples referred for AML or a high degree of suspicion of AML are activated for rapid <i>FLT3</i> -ITD, <i>FLT3</i> -TKD (hotspots) and <i>NPM1</i> fragment analysis, G-band chromosome analysis and NGS analysis of a panel of relevant genes.	РВ	<ul> <li>Karyotype depending on percentage of blasts and whether separate BM is available or not; if no BM received then PB will be processed for cytogenetics analysis (M80.3)</li> <li>FISH if appropriate (e.g. PML/RARA for ?APL) (M80.29)</li> </ul>	Only analysed if BM not available (see testes listed for BM below)
Reflex FISH or further molecular testing may also be instigated to further characterise initial findings.  Follow up: appropriate testing will be undertaken depending on diagnostic findings.	ВМ	<ul> <li>Karyotype (M80.3)</li> <li>FISH if appropriate (e.g. <i>PML/RARA</i> for ?APL) (M80.29)</li> </ul>	<ul> <li>FLT3-ITD fragment analysis (M80.18) <sup>6</sup></li> <li>NPM1 exon 11 fragment analysis (M80.22) <sup>6</sup></li> <li>FLT3-TKD hotspot fragment analysis (M80.21) <sup>6,#</sup></li> <li>FLT3-TKD targeted NGS panel (M80.21) <sup>7</sup></li> </ul>





Measurable residual disease (MRD) analysis by RTqPCR (when suitable molecular markers are available) is not performed at this laboratory. Samples for MRD testing will need to be sent to the Wessex Genomics Laboratory Service at University Hospital Southampton, where cDNA will be made and forwarded to the appropriate testing centre.			<ul> <li>IDH1 &amp; IDH2 NGS targeted NGS panel (M80.23 &amp; M80.24) <sup>7</sup></li> <li>TP53 targeted NGS panel <sup>7</sup></li> <li>Myeloid NGS panel (M80.2) <sup>2</sup></li> <li>CEBPA Sanger seq</li> <li>RT-PCR Haemavision screen kit (M80.7) <sup>3</sup></li> </ul>
<b>Relapse:</b> Testing as per initial presentation to identify clonal evolution and potential therapeutic targets.			
Whole Genome Sequencing (WGS): is available for newly presenting AML patients on completion of appropriate documentation and submission of a germline sample (M80.1).			
Acute Lymphoblastic Leukaemia (ALL) B- and T-cell			
<u>Diagnosis:</u> Full karyotype at diagnosis and rapid FISH for <i>BCR/ABL1</i> , <i>KMT2A</i> gene rearrangements, <i>ETV6/RUNX1</i> and iAMP21. Additional FISH for other markers (e.g. 'Phlike', hyperdiploidy and hypodiploidy), as required.	PB & BM	Analysis of PB depending on percentage of blasts and whether separate BM available or not; if no BM received then PB will be processed for cytogenetics/FISH analysis  Rapid FISH for BCR/ABL1; KMT2A (MLL); ETV6/RUNX1 (M91.10; M91.57; M91.36)	RT-PCR Haemavision screen kit (M80.7) <sup>3</sup>
<u>Post-treatment</u> : screened for previous abnormality by FISH.		<ul> <li>Karyotype (M91.2)</li> <li>Additional FISH panel as required (e.g. "Ph-like" FISH) (M91.)</li> </ul>	
Relapse. Full karyotype and relevant FISH		• SNP array (M91.2)	
<b>SNP array</b> is now performed on all cases of Acute Lymphoblastic Leukaemia in addition			
to G-banding analysis. The technical process			





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of this test is undertaken at the West Midlands Regional Genetics Laboratory in Birmingham. For pediatric patients, DNA for this test is extracted from the diagnostic sample which is directly sent to the Birmingham laboratory for Minimal Residual Disease (MRD) monitoring by the treating clinician. For adult patients, DNA is extracted from the sample sent for standard cytogenetic investigations at the Salisbury laboratory and forwarded to the Birmingham Laboratory.  MRD monitoring using Rearrangement of T-Cell Receptor and Immunoglobulin H Genes is not performed at this laboratory.  Whole Genome Sequencing (WGS): is available for newly presenting ALL patients on completion of appropriate documentation and submission of a germline sample (M91.1).			
Chronic Lymphocytic Leukaemia (CLL)/Small			
Lymphocytic Leukaemia (SLL)			
CLL patients approaching first line of treatment: patients are tested for both TP53 deletion by FISH and TP53 mutation by NGS analysis. FISH is also routinely performed for 11q (ATM) deletion, del(13q) and trisomy 12.  IGHV hypermutation studies are not performed at this laboratory, but at the Wessex Genomics Laboratory Service at University Hospital Southampton	PB & BM (BM not usually required for diagnosis)	FISH for:  TP53 deletion (M94.4)  ATM (11q) deletion (M94.8)  Trisomy 12 (M94.10)  13q14 deletion (M94.9)  If Richter's suspected:  MYC gene rearrangement	TP53 targeted NGS panel (M94.4) <sup>7,8</sup>





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(DNA may be forwarded on request if no separate sample has been sent).			
<u>CLL patients approaching subsequent lines</u> <u>of treatment</u> : Re-assessment of <i>TP53</i> status before each new line of therapy by both FISH and NGS panel analysis.			
CLL patients on ibrutinib: Some patients may become resistant to ibrutinib as a result of mutations in BTK and PLCG2. This test is available using the pan-haem panel undertaken at the West Midlands Regional Genetics Laboratory in Birmingham (DNA will be forwarded from the Salisbury Laboratory upon request).			
Multiple Myeloma (MM)/ Plasma Cell Leukaemia (PCL)/AL Amyloidosis/MGUS			
	BM     PB only for     Plasma Cell     Leukaemia	FISH: on CD138 separated cells for:  O IGH gene rearrangement (M92.8)  O IGH/FGFR3 [t(4;14)] (M92.2)  O IGH/CCND1 [t(11;14)] (M92.4)  O IGH/MAF [t(14;16)] (M92.5)  O IGH/MAFB [t(14;20)] (M92.6)  O TP53/CEP17 (M92.12)  O CDKN2C (1p32.3)/CKS1B (1q21) (M92.10 & M92.11)  Upon request:  O MYC gene rearrangement (M92.14)	Upon request:  TP53 targeted NGS panel on DNA extracted from CD138 separated cells <sup>7,8</sup>
Plasmablastic Lymphoma (PBL)			
	<ul> <li>BM</li> <li>Formalin-fixed, paraffin- embedded tissue (FFPE) sections</li> </ul>	Multiple myeloma FISH panel + FISH for:	X





	<ul><li>Touch preps</li><li>Other sample type as required</li></ul>		
MALT lymphoma			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:	X
Mantle Cell Lymphoma (MCL)			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>PB/BM</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:  o IGH/CCND1 [t(11;14)] (M102.1)  o CCND2 gene rearrangement (M102.3)  o IGH/CCND3 [t(6;14)]  o TP53/CEP17 (on request)	TP53 targeted NGS panel (M102.5) <sup>7,8</sup>
Follicular Lymphoma (FL)			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:  BCL6 gene rearrangement (M103.2)  BCL2 gene rearrangement (M103.3)	X
High grade B cell lymphoma/DLBCL			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:  MYC gene rearrangement (M99.1)  IGH/MYC [t(8;14)] (M99.2)  If MYC rearranged:  BCL2 gene rearrangement (M99.5)  BCL6 gene rearrangement (M99.7)  If MYC rearranged but not with IGH:  IGK/MYC [t(2;8)] (M99.3)	X





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		o IGL/MYC [t(8;22)] (M99.4)	
Burkitt Lymphoma (BL)			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:  MYC gene rearrangement (M96.1)  IGH/MYC [t(8;14)] (M96.2)  IGK/MYC [t(2;8)] (M96.3)  IGL/MYC [t(8;22)] (M96.4)  BCL2 gene rearrangement (M96.5)  BCL6 gene rearrangement (M96.6)	X
High-grade B-cell lymphoma with 11q aberrations			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for 11q copy number (M97.1)	X
T-Prolymphocytic Leukaemia (T-PLL)			
	BM & PB	-Karyotype (M113.6) -FISH for:  o TCL1 gene rearrangement (M113.1)  o TRA/TRD gene rearrangement  o Isochromosome 8q (M113.2)  o TP53/DEP17	TP53 targeted NGS panel (upon request) <sup>7,8</sup>
Anaplastic Large Cell Lymphoma (ALCL)			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required and infiltration confirmed</li> </ul>	FISH for:  ALK gene rearrangement (M182.2)  IRF4/DUSP22 gene rearrangement (M112.3)  TP63 gene rearrangement (M112.4)	X
Hairy Cell Leukaemia (HCL)			





	PB/BM/other	X	BRAF V600 hotspot (NGS) 7,8
BMT patients (sex-mismatched)			
	ВМ	FISH for CEPX/CEPY (M118.2)	X
Hodgkin lymphoma			
	Х	X	X
Histiocytosis Histiocytic sarcoma			
	X	X	X
T cell Non-Hodgkin Lymphomas			
	Х	X	X
Sarcomas and solid tumors			
	<ul> <li>FFPE sections</li> <li>Touch preps</li> <li>Other sample type as required</li> </ul>	FISH for:  EWSR1 gene rearrangement (M45.1; M48.1; M66.1;  SS18 (formerly SYT) gene rearrangement (M77.1)  FOXO1 gene rearrangement (M42.1)  FUS gene rearrangement (M45.1; M64.1; M76.1)  ETV6 gene rearrangement (M17.1; M62.1)  USP6 gene rearrangement (M69.1)  MDM2 copy number (M79.1)  TFE3 gene rearrangement (M18.1)  NTRK1/NTRK2/NTRK3 gene rearrangement (M244)  Additional probes can be tested upon request	X

- 1. MPN-panel which uses targeted amplicon NGS to analyse the hotspots on the three candidate MPN genes *JAK2, CALR* and *MPL*. The assay provides information on all 3 genes simultaneously rather than requiring sequential testing
- 2. The test is currently performed locally using the Illumina TruSight Myeloid Sequencing Panel platform; the panel includes 54 genes and further details can be found at at: <a href="http://www.illumina.com/content/dam/illumina-marketing/documents/products/datasheet-trusight-myeloid.pdf">http://www.illumina.com/content/dam/illumina-marketing/documents/products/datasheet-trusight-myeloid.pdf</a>. Genes included in the panel: ASXL1, ATRX, BCOR,





BCORL1, BRAF, CALR, CBLB, CSF3R, CUX1, DNMT3A, ETV6, EZH2, FBXW7, FLT3, GATA1, GATA2, HRAS, IDH1, IDH2, IKZF1, JAK2, JAK3, KIT, MT2A, KRAS, MPL, MYD88, NOTCH1, NPM1, NRAS, PDGFRA, PHF6, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF3B1, SMC1A, SMC3, SRSF2, STAG2, TET2, TP53, U2AF1, WT1, ZRSR2. Genes in bold, whole gene covered.

From 1st July 2024, the WGLS has begun a phased transition for samples referred for myeloid NGS panel testing, from the current local Illumina TruSight Myeloid Sequencing panel to a large Pan-Haematological panel which will be sequenced at WMRGL (Birmingham). Please note that this assay is out of scope with respect to UKAS accreditation requirements. From 1st July 2024, a proportion of samples received for myeloid NGS panel testing will be sent for sequencing to Birmingham. The remaining samples will continue to be sequenced inhouse using the local myeloid panel until approximately 1st September 2024; the samples sequenced locally will be clinically urgent. Clinical reports will indicate which sequencing panel was applied for each sample. The Birmingham Pan-Haematological panel uses the Illumina NovaSeq to sequence target regions from >130 genes captured using a Nonacus custom enrichment technology. Samples for myeloid panel testing will continue to be sent to WGLS (Salisbury), according to current procedure; DNA extraction will be performed at the WGLS (Salisbury) and the DNA will be sent to the WMRGL (Birmingham) for sequencing. No sample from Wessex for myeloid panel testing should go directly to the Birmingham Laboratory unless specifically agreed with the Salisbury laboratory. Analysis, interpretation and reporting of the results will continue to be undertaken at WGLS (Salisbury). Gene content of the myeloid NGS panel provided by WMRGL (Birmingham): ASXL1, BCL2, BCOR, BCORL1, CALR, CBL, CEBPA, CSF3R, CUX1, DDX41, DDX41, DDX41, ETV6, EZH2, FBXW7, FLT3, GATA2, GNB1, HRAS, IDH1, IDH2, IKZF1, JAK2, KIT, KMT2A, KMT2C, KRAS, MPL, MYD88, NF1, NFE2, NOTCH1, NPM1, NRAS, PHF6, PIGA, PPM1D, PRPF8, PTEN, PTPN11, RAD21, RUNX1, SETBP1, SF3B1, SH2B3, SRSF2, STAG2, STAT5B, TET2, TP53, U2AF1, UBA1, UBTF, WT1, ZRSR2.

- 3. https://dna-diagnostic.com/products/hema-vision/screening-for-28-translocations/
- 4. Performed by Prof. Nick Cross' Leukaemia Research group
- 5. Performed on any samples referred for eosinophilia by Prof. Nick Cross' Leukaemia Research group; however, results from this test will only be reported if showing a positive result.
- 6. FLT3 and NPM1 fragment analysis:

The principle of this assay is the discrimination of the wild type from the mutated DNA sequences based of the length of a PCR fragment generated by amplifying regions of the two genes which include the hotspot for insertion/duplication. Mutated genes give rise to larger PCR amplicons and wild type genes produce an amplicon of a predictable and stable size. Two primers are used for each gene. The forward primer in each case is labelled with a fluorescent dye which is incorporated into the amplified PCR product and can later be detected on a capillary electrophoresis instrument during the sizing portion of the assay. Although the PCR reactions and method used to detect amplicons are not fully quantitative, this assay is at least semi quantitative in giving a good estimation of the quantity of mutant alleles present in the starting sample for FLT3-ITD.

<u>For FLT3-TKD hotspots</u>: a combination of fragment analysis by PCR and EcoRV restriction digest is used for the detection of *FLT3* tyrosine kinase domain (TKD) variants at codons Asp835 (nucleotide position c.2503 to c.2505) and Ile836 (nucleotide position c.2506 to c.2508). This assay does not exclude the presence of other pathogenic variants within the TKD and is non-quantitative, therefore; an independent *FLT3* assay using NGS technology is run in parallel to give more comprehensive coverage of the *FLT3*-TKD and provide confirmation and estimation of allelic burden for any variants detected by this assay. (Limit of detection 5%).

- 7. **Targeted NGS panel for** *FLT3***-TKD,** *NPM1, IDH1, IDH2, TP53, BRAF* V600, *KIT.* Targeted amplicon NSG panels designed to sequence gene sub-regions (hot spots) *FLT3*-TKD, *NPM1, IDH1, IDH2, TP53, BRAF* V600. The assay limit of detection is 1%.
- 8. NGS assays on DNA extracted from formalin-fixed paraffin embedded (FFPE) material are out of scope with respect to UKAS accreditation requirements.
- 9. The week commencing 1st July 2024, the WGLS has began a phased transition for samples referred for myeloid NGS panel testing, from the current local panel to a large panel which will be sequenced at WMRGL (Birmingham).

# This technique is out of scope with respect to UKAS accreditation requirements.

NGS. Next Generation Sequencing; PB, peripheral blood; BM, bone marrow; FFPE, formalin-fixed paraffin-embedded.

