

Solid Tumour Test Request Form

Tumour

Fill in patient details below or affix addressograph (top left) and send to Cell Pathology for sample preparation			
Patient Forename:		Clinician (address report to):	
Patient Surname:		Requested by:	
DoB:	NHS number:	Hospital Name (<i>essential for report</i>):	
Sex:	Hospital Number:	Email Addresses (<i>for reports</i>): (<i>NHS Wales or NHS.net</i>) oncologists/pathologists/MDT coordinators	
Address:	Alternative Hospital no:		
		Date requested:	

Please note: Gene analysis relies on sampling tumour tissue.
Tissues blocks for genomic analysis can no longer be accepted.

This section is for completion by Pathology Laboratory.

Pathologist:	Pathology Hospital:	Block Number:
Sampling method, biopsy type and fixation method.	Date sample sent to AWMGS	Tumour sample has now been exhausted Yes <input type="checkbox"/> No <input type="checkbox"/>

For ALL requests please provide:

1 H&E stained slide with area of highest neoplastic cell content CLEARLY circled.

Please state the approx. % neoplastic cell content present in the H&E circled tumour area: _____%

Relevant Clinical Summary (e.g. tumour histology) *Please also attach appropriate pathology report*

Test	Test directory	Technology	Sample requirements
Multi-target DNA NGS panel: small variant – androgen receptor, ARID1A, ATRX, BRAF, BRCA1, BRCA2, CDKN2A, EGFR, ESR1, ERBB2, H3F3A, HRAS, IDH1, IDH2, KIT, KRAS, NRAS, PDGFRA, PIK3CA, PTEN, RET, TERT, TP53	<input type="checkbox"/>	n/a	DNA: 60µM (preferably 6x 10µM) air dried unstained sections mounted on slides.
Multi-target RNA NGS panel: structural variant - NTRK1, NTRK2, NTRK3	<input type="checkbox"/>	M227.1	RNA: 50µM (preferably 5x 10µM) air dried unstained sections mounted on slides. <i>Note: slides for RNA - ideally prepared in an RNase-free environment.</i> For salvage FISH testing for NTRK1, NTRK2 and NTRK3 (in the event that RNA-based NGS cannot be performed or is unsuccessful): 2x 3-4µM sections (singly mounted) on charged/adhesion slides PER GENE
Multi-target RNA NGS panel: structural variant – ALK, BRAF, EGFR, MET, NTRK1, NTRK2, NTRK3, RET, ROS1	<input type="checkbox"/>	M227.1	RNA NGS Panel (Full Tumour panel)

For all RNA-based NGS panel testing requests, we ask that additional slides for FISH analysis are provided upfront at point of test request to allow activation (with minimal delay) of the salvage FISH pathway for clinically relevant gene rearrangements in the event that insufficient RNA is obtained for NGS testing/NGS testing is unsuccessful.

In the event of insufficient tissue/low cellularity/low neoplastic cell content samples, please discuss with AWMGS appropriate alternate routes of testing before sending samples

Samples should be dispatched as soon as possible as the patient's treatment is dependent upon the molecular analysis

For further information on testing please refer to the AWMGL website:

<https://www.medicalgenomicswales.co.uk/>

Please complete this request form and send to the local path lab where sample preparation can take place prior to sending the sample and form to AWMGS at:

All Wales Medical Genomics Laboratory, Institute of Medical Genetics,
University Hospital of Wales, Heath Park, Cardiff CF14 4XW

Laboratory contact details for enquiries: Phone: 02921 842641 Email: lab.genetics.cav@wales.nhs.uk

