

Solid Tumour Test Request Form Brain 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 (for reports): (NHS Wales or NHS.net) oncologists/pathologists/MDT coordinators)	
Address:	Alternative Hospital no:			
Postcode:	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"/>		
<i>For ALL requests please provide:</i> 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) <i>Please also attach appropriate pathology report</i>				
Test		Test directory	Technology	Sample requirements
Multi-target DNA NGS panel: small variant – IDH1, IDH2, BRAF, EGFR, ATRX, H3-3A, TERT, PTEN, TP53, CDKN2A	<input type="checkbox"/>	M21.1, M23.1, M27.1, M29.1, M31.2, M32.1, M33.3, M34.1, M35.1	DNA NGS Panel	DNA: 60µM (preferably 6x 10µM) air dried unstained sections mounted on slides.
MGMT promoter methylation	<input type="checkbox"/>	M27.6, M29.2, M31.1, M191.17, M192.17, M193.17	Pyrosequencing	
1p/19q FISH	<input type="checkbox"/>	M28.6, M29.5, M31.3, M32.2, M21.6, M23.8, M27.7, M34.4, M35.2, M191.12, M192.12, M193.12	Fluorescence in Situ Hybridisation (FISH)	4 x 3-4µM sections (singly mounted) on charged/adhesion slides
Multi-target RNA NGS panel: structural variant - BRAF, EGFRvIII, NTRK1, NTRK2, NTRK3	<input type="checkbox"/>	M21.21, M27.15, M36.14	RNA NGS Panel	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>).

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 and further details on panels used please, refer to the AWMGL website:

[PD-GEN-GliomaNGS8.pdf \(medicalgenomicswales.co.uk\)](#)

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 – 0292 1842641 Email lab.genetics.cav@wales.nhs.uk