

## Solid Tumour Test Request Form Brain Tumour

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

**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:	
Sampling method, biopsy type and fixation method:	Block Number:	Neoplastic cell content present in the H&E circled tumour area: _____%	
<i>For ALL requests please provide:</i> <b>1 H&amp;E stained slide with area of highest neoplastic cell content CLEARLY circled.</b>	Date sample sent to AWMGS		<b>Tumour sample has now been exhausted</b> Yes <input type="checkbox"/> No <input type="checkbox"/>
Relevant Clinical Summary (e.g. tumour histology) <i>Please also attach appropriate pathology report</i>			

Test	Test directory	Technology	Sample requirements
<b>Multi-target DNA NGS panel:</b> 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	<b>DNA:</b> 60µM (preferably <b>6x 10µM</b> ) air dried unstained sections mounted on slides.
<b>MGMT promoter methylation</b>	<input type="checkbox"/>	M27.6, M29.2, M31.1, M191.17, M192.17, M193.17	
<b>1p/19q FISH</b>	<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	<b>4 x 3-4µM</b> sections (singly mounted) on charged/adhesion slides
<b>Multi-target RNA NGS panel:</b> structural variant - BRAF, EGFRvIII, NTRK1, NTRK2, NTRK3	<input type="checkbox"/>	M21.21, M27.15, M36.14	<b>RNA:</b> 50µM (preferably <b>5x 10µM</b> ) 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](mailto:lab.genetics.cav@wales.nhs.uk)