Request for *BRAF* analysis in Brain tumours
Bristol Genetics Laboratory

To be completed by referring clinician: Please complete boxes in grey and send this request to the Neuropathology laboratory where the sample is stored as soon as possible.

E-mail this form to the Neuropathology secretaries: Joanna.McTiernan@nbt.nhs.uk and Phylly.Alexander@nbt.nhs.uk

Patient name:		Consultant:
Address: Postcode:		Department and Hospital: Hospital number:
DOB:	Sex:	Requested by:
NHS number:		Date requested:
Pathology hospital and block number (if known):		
Date of resection / biopsy		

Test/s requested:

☐ ***BRAF* p.Val600Glu (V600E) mutation analysis**

☐ ***BRAF* fusion analysis**

To be completed by Neuropathology

Pathologist		Date sample sent to Molecular Genetics	

Please include a copy of the neuropathology report.

Separate samples are required for *BRAF* p.Val600Glu mutation analysis (DNA analysis) and *BRAF* fusion analysis (RNA analysis or FISH analysis) – see below:

***BRAF* p.Val600Glu mutation analysis (DNA analysis)**
Please tick the appropriate box according to your assessment of the tissue sent for mutation analysis:

☐ Sample with **>50% neoplastic cells:** send 5 x 10micron sections in a clean universal. Labelled with patient name, date of birth and pathology block number.

☐ Sample with **<50% neoplastic cells**: send 10 x 5micron slide mounted sections along with H&E with regions of >30% neoplastic cells highlighted. Labelled with patient name, date of birth and pathology block number.

***BRAF* fusion analysis (RNA or FISH analysis)**

☐ **RNA:** Send 10 x 5micron slide mounted sections along with H&E with regions of >30% neoplastic cells highlighted. Labelled with patient name, date of birth and pathology block number.

☐ **FISH:** If *BRAF* fusion RNA analysis is negative or inconclusive, extended testing can be requested by FISH. This requires 2 x 4µm sections mounted on sticky slides e.g. APES.

Send to:

Bristol Genetics Laboratory, Pathology Sciences, Southmead Hospital, Bristol, BS10 5NB
Phone: 0117 414 6168
Email: nbn-tr.geneticsenquiries@nhs.net

Any remaining DNA or RNA will be retained in long term storage. H&E slides will be returned to the laboratory of origin.

CONSENT STATEMENT It is the referring clinician's responsibility to ensure that the patient/carer knows the purpose of the test and that the sample may be stored for future diagnostic tests. Completing this form is an indication that the clinician has obtained consent for testing and storage. The patient should be advised that the sample may be used anonymously for quality assurance and training purposes. Please advise us of any restrictions.