**Molecular Pathology Request Form**

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| Please send requests to | **Molecular Neuropathology Laboratory**  Division of Neuropathology | UCL Queen Square Institute of Neurology | Queen Square | London WC1N 3BG | email: [UCLH.molecular.neuropathology@nhs.net](mailto:UCLH.molecular.neuropathology@nhs.net) | | | | | | | | | | | |
| Web address for further information and form download | <https://www.ucl.ac.uk/ion/divisions/neuropathology/diagnostic_services/molecular_tests>**.**  **Always print this form and send with the sample. Do not alter this form.** | | | | | | | | | | | |
| **For Laboratory use only** | **NH** | | | | Time stamp | | | | |  | | |
| **Test requested** | **Test method: see website** | | | | | | | | |  | | |
| **CN**: 1p, 19q, 7p (EGFR), CDKN2A/B  **Seq**.: IDH1, IDH2, H3.3 K27M + G34R), TERT, BRAF V600E |  | Suspected Glioblastoma, IDH-wildtype. Not useful for LGG, unusual HGG, paediatric tumours or meningioma | | | | | | | | **USS or FFPE block**  **& Pathology report** | | |
| **Seq:** IDH1, IDH2, H3.3 K27M + G34R), TERT, BRAF V600E |  | **Low and high-grade astrocytic tumours**:  To identify IDH-wildtype GBM in under-sampled biopsies | | | | | | | | **USS or FFPE block**  **& Pathology report** | | |
| IHC |  | H3K27M |  | | | | | | | **USS or FFPE block** | | |
| EGFR amplification only |  | EGFR amplification | | | | | | | | **USS or FFPE block** | | |
| EGFR amplification + EGFRvIII |  | vIII mutation will be tested only for EGFR-amplified tumours | | | | | | | | **USS or FFPE block** | | |
| BRAF V600E mutation |  | Melanoma, LGG | | | | | | | | **USS or FFPE block** | | |
| MGMT promoter methylation |  | Gliomas undergoing treatment with Temozolomide | | | | | | | | **USS or FFPE block** | | |
| Illumina 850k methylation array |  | To classify brain tumours (except meningiomas) using the Heidelberg classifier. Recommended for: Astrocytomas, oligodendrogliomas, ependymal tumours, unclear high- and low-grade CNS tumours, all posterior fossa & spinal tumours | | | | | | | | **FFPE block**  **& Pathology report** | | |
| Illumina 850k methylation array, MENINGIOMAS (includes CDKN2A/B) |  | To [classify **Meningiomas**](https://pubmed.ncbi.nlm.nih.gov/34618539/) using the Heidelberg classifier v12.6 | |  | | | TERT prom. mutation | | | **FFPE block**  **& Pathology report** | | |
| [Next Generation Sequencing (NGS)](https://shared-d7-royalmarsden-publicne-live.s3-eu-west-1.amazonaws.com/files_trust/s3fs-public/Clinical%20Genomics%20NHS%20Service%20Specification%20V1.2..pdf)  Prior agreement essential. |  | [DNA NGS (RMH200)](https://shared-d7-royalmarsden-publicne-live.s3-eu-west-1.amazonaws.com/files_trust/s3fs-public/D.%20RMH%20NGS%20Panels_0.pdf) | |  | | | [RNA Fusions](https://emea.illumina.com/content/dam/illumina-marketing/documents/products/gene_lists/gene_list_trusight_pan_cancer.xlsx) | | | **FFPE block essential!**  **& Pathology report** | | |
| Test tbc |  | Leave decision to molecular pathology team (for complex, unclear and other referrals) | | | | | | | | **FFPE block**  **& Pathology report** | | |
| **Patient details** | | | | | | | | | | | | |
| First name | |  | | | | | | | | Sex | M | F |
| Surname | |  | | | | | | | | | | |
| Date of birth | | Click or tap to enter a date. | | | | | | | | | | |
| **Hospital number** | |  | | | | | | | | | | |
| **NHS Number** | |  | | | | | | | | | | |
| Tumour location | |  | | | | Previous radiation | | | | | | |
| Referred diagnosis | |  | | | | | | | | | | |
| Referred material | | **Block**  **4 slides (4µm) and 8-10 slides (10µm)** | | | | | | | | | | |  |  |  |  |
| Referral Pathology ID and block number | |  | | | | | | Year of surgery |  | | | |  | **4 slides (4µm) and 8-10 slides (10µm)** |  |  |
| **Details of the referring hospital and clinician or pathologist** | | | | | | | | | | | | |
| Hospital | |  | | | | | | | | | | |
| Postcode | |  | | | | | | | | | | |
| Requesting consultant | |  | | | | | | | | | | |
|  | |  | | | | | | | | | | |
| **Email address(es) for reports** | |  | | | | | | | | | | |
| **Address to return material** | |  | | | | | | | | | | |

Unlock password: npmolpath. Controlled document. Do not alter or edit.

Page 1 of 1. Stored as attachment in ipassport to NPATH-AD30-Proformas Authorised by SB