

**Solid Tumour Request Form**

<b>Molecular Genetics Section, Haematopathology and Oncology Diagnostic Service</b>				
Level 3 Laboratory Block, Box 234, Addenbrooke's Hospital, Hills Road, Cambridge CB2 0QQ				
Phone: (01223) 586926 Email: <a href="mailto:add-tr.eastglhcancertests@nhs.net">add-tr.eastglhcancertests@nhs.net</a>				
<b>Patient Details</b>		<b>Referral Information</b>		
Surname		Consultant/Str		
Forename		Hospital		
Date of Birth		M	F	Ward/Clinic
Hospital No.		Mobile/Bleep		
NHS No.		NHS.NET email for result return		
<b>Specimen No:</b>		<b>Tissue Site:</b>		<b>Sample date &amp; time:</b>
<i>Specimen requirement: Representative formalin fixed paraffin embedded (FFPE) blocks are preferred, but 5-10 unstained FFPE sections on slides are acceptable. For NTRK fusion testing, see requirement specific for this test below</i>				
Specimen type & qty:	FFPE Block:	Sections:	Stained Slides:	Other:
<b>Clinical details, diagnosis &amp; reason for referral:</b>				

<input type="checkbox"/> <b>B cell clonality analysis by PCR</b> <i>IGH/IGK/IGL rearrangement</i>	<input type="checkbox"/> <b>T cell clonality analysis by PCR</b> <i>TRG/TRB/TRD rearrangement</i>
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**Chromosome analysis by interphase FISH**

<input type="checkbox"/> IGH gene involved translocations	<input type="checkbox"/> IGH			
<input type="checkbox"/> Follicular lymphoma	<input type="checkbox"/> BCL2	<input type="checkbox"/> IGH-BCL2		
<input type="checkbox"/> MALT lymphoma	<input type="checkbox"/> MALT1	<input type="checkbox"/> BIRC3-MALT1	<input type="checkbox"/> IGH-MALT1	
<input type="checkbox"/> Mantle cell lymphoma	<input type="checkbox"/> CCND1	<input type="checkbox"/> IGH-CCND1		
<input type="checkbox"/> Burkitt lymphoma	<input type="checkbox"/> MYC	<input type="checkbox"/> IGH-MYC		
<input type="checkbox"/> High grade B cell lymphoma	<input type="checkbox"/> MYC	<input type="checkbox"/> IGH-MYC	<input type="checkbox"/> BCL2	<input type="checkbox"/> BCL6
<input type="checkbox"/> Large B cell lymphoma with <i>IRF4</i> rearrangement	<input type="checkbox"/> IRF4/DUSP22			
<input type="checkbox"/> Anaplastic large cell lymphoma ALK-negative	<input type="checkbox"/> IRF4/DUSP22			
<input type="checkbox"/> Anaplastic large cell lymphoma	<input type="checkbox"/> ALK			
<input type="checkbox"/> ALK-positive large B cell lymphoma	<input type="checkbox"/> ALK			
<input type="checkbox"/> Neuroblastoma	<input type="checkbox"/> TOP2A	<input type="checkbox"/> 11q22.3(ATM)	<input type="checkbox"/> MYCN	<input type="checkbox"/> 1p36
<input type="checkbox"/> Ewings sarcoma etc.	<input type="checkbox"/> EWSR1			
<input type="checkbox"/> Rhabdomyosarcoma	<input type="checkbox"/> FOXO1	<input type="checkbox"/> PAX3	<input type="checkbox"/> PAX7	
<input type="checkbox"/> Dermatofibrosarcoma protuberans	<input type="checkbox"/> PDGFB			
<input type="checkbox"/> Synovial sarcoma	<input type="checkbox"/> SS18			
<input type="checkbox"/> Infantile fibrosarcoma	<input type="checkbox"/> ETV6			
<input type="checkbox"/> Liposarcoma	<input type="checkbox"/> MDM2			
<input type="checkbox"/> Alveolar soft part sarcoma	<input type="checkbox"/> TFE3			
<input type="checkbox"/> Inflammatory myofibroblastic tumour	<input type="checkbox"/> ALK			
<input type="checkbox"/> Angiosarcoma	<input type="checkbox"/> MYC			
<input type="checkbox"/> Oligodendroglioma	<input type="checkbox"/> 1p36	<input type="checkbox"/> 19q13		
<input type="checkbox"/> Medulloblastoma	<input type="checkbox"/> MYC	<input type="checkbox"/> MYCN		
<input type="checkbox"/> Pilocytic astrocytoma	<input type="checkbox"/> KIAA1549-BRAF			
<input type="checkbox"/> Non-small cell lung cancer	<input type="checkbox"/> ALK	<input type="checkbox"/> ROS1		
<input type="checkbox"/> Renal cell carcinoma	<input type="checkbox"/> TFE3			
<input type="checkbox"/> Mammary analogue secretory carcinoma of salivary glands	<input type="checkbox"/> ETV6			
<input type="checkbox"/> Gender identification	<input type="checkbox"/> CEP X/Y			

**Fusion analysis by RNA based NGS**

**NTRK (1/2/3) Please send 10 x 6µM unstained FFPE sections mounted on slides for testing and 1 x H&E slide with tumour area marked**

**Mutation analysis by NGS for hotspot cancer gene panel or by single gene testing**

<input type="checkbox"/> 50 hotspot cancer gene panel (gene list available on request)		
<input type="checkbox"/> Non-small cell lung cancer.....	<input type="checkbox"/> EGFR/BRAF	<input type="checkbox"/> Melanoma.....
<input type="checkbox"/> Gastrointestinal stromal tumour.....	<input type="checkbox"/> KIT/PDGFR/RAF	<input type="checkbox"/> Lynch syndrome...
<input type="checkbox"/> Lymphoplasmacytic lymphoma.....	<input type="checkbox"/> MYD88	<input type="checkbox"/> Glioma.....
<input type="checkbox"/> Histiocytic and dendritic cell neoplasms	<input type="checkbox"/> BRAF	<input type="checkbox"/> Colorectal cancer.
		<input type="checkbox"/> BRAF/NRAS/KIT
		<input type="checkbox"/> BRAF
		<input type="checkbox"/> IDH1/IDH2
		<input type="checkbox"/> KRAS/NRAS/BRAF

**Microsatellite instability (MSI) testing for LS screening or immunotherapy (delete as appropriate)**

**MGMT promoter methylation testing in glioblastoma**

**Tissue identity testing by STR genotyping (a reference sample, preferably PB, is required to compare identity)**

**Sectioning of/DNA extraction from FFPE blocks/tissue**