

<u>SWGLH – Cancer Genomics Test Request Form</u> <u>Sarcoma</u>

Please complete electronically: type or click in the boxes, send this request to the appropriate Histopathology laboratory as soon as possible.

Patient Details: Paste patient demographics here or fill in fields below:					
Patient name:		Referring Consultant:			
Address:		Department and Hospital:			
		Report destination (nhs.net e-mail/s):			
Postcode:					
DOB: Gender:		Pathologist:			
NHS number:		Date of resection/biopsy:			
Pathology block number:		Date sample sent to SW GLH:			
Hospital number:		Date of MDT for discussion of result:			

Clinical summary:		

Refer to the National Genomics Test Directory for Cancer: https://www.england.nhs.uk/publication/national-genomic-test-directories/ for the full sarcoma test directory. If testing is not present as an option on this referral form, please email the laboratory directly at nbn-tr.SWGLHcancer@nhs.net prior to sending samples. Please note some tests will be exported to other genomic laboratory hubs for testing.

Code	Clinical Indication	Test	Test Name		
		Code		Type*	
M42	Alveolar Rhabdomyosarcoma	M42.1	FOX01 rearrangement FISH	В	
		M42.5	Multi-target NGS panel – structural variant	Α	
			(PAX3-FOX01, PAX7-FOX01, NTRK1, NTRK2, NTRK3)		
M43	Alveolar Soft Part Sarcoma	M43.1	TFE3 rearrangement FISH	В	
M45	Angiomatoid Fibrous	M45.1	EWSR1 rearrangement FISH	В	
	Histiocytoma	M45.2	FUS rearrangement FISH	В	
		M45.4	Multi-target NGS panel – structural variant	Α	
			(EWSR1, NTRK1, NTRK2, NTRK3)		
M48	Clear Cell Sarcoma of Soft	M48.1	EWSR1 rearrangement FISH	В	
	Tissue	M48.3	Multi-target NGS panel – structural variant	Α	
		_	(EWSR1, NTRK1, NTRK2, NTRK3)		
M49	CNS Ewing Sarcoma Family Tumour	M49.1	Multi-target NGS panel – structural variant	С	
	with CIC Alteration	_	(CIC, NTRK1, NTRK2, NTRK3) [EXPORT]		
M78	Undifferentiated Round Cell	M78.1			
	Sarcoma of Infancy				
M50	Dermatofibrosarcoma Protuberans	M50.1	COL1A1-PDGFB rearrangement FISH	В	
M51	Desmoid-Type Fibromatosis	M51.1	Multi-target NGS panel – small variant (APC, CTNNB1)	Α	
M52	Desmoplastic Small Round Cell	M52.1	WT1 rearrangement FISH [EXPORT]	В	
	Tumour	M52.3	Multi-target NGS panel – structural variant	C	
			(WT1, NTRK1, NTRK2, NTRK3) [EXPORT]		
M53	Endometrial Stromal Sarcoma	M53.1	PHF1 rearrangement FISH (PHF1)	В	
		M53.2	JAZF1 rearrangement FISH (JAZF1)	В	
M203	Uterine Sarcoma (inc. Endometrial)	M203.4	YWHAE rearrangement FISH	В	
M54	Epithelioid	M54.2	Multi-target NGS panel – structural variant	C	
	Haemangioendothelioma		(WWTR1-CAMTA1) [EXPORT]		
M55	Ewing Like Sarcoma/PNET	M55.1		С	
M57	Ewing Like Soft Tissue Sarcoma	M57.1	Multi-target NGS panel – structural variant		
M61	High-Grade Neuroepithelial	M61.1	(BCOR, BCOR-CCNB3, NTRK1, NTRK2, NTRK3) [EXPORT]		
	Tumour- Bcor Group	_			
M72	Primitive Mesenchymal Myxoid	M72.3			
	Tumour of Infancy				
M58	Extraskeletal Myxoid	M58.3	Multi-target NGS panel – structural variant	C	

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Version: 1

Approver: Laura Yarram-Smith



	Chondrosarcoma		(NR4A3, NTRK1, NTRK2, NTRK3) [EXPORT]	
M62	Infantile Fibrosarcoma	M62.3	Multi-target NGS panel – structural variant	Α
			(ETV6-NTRK3, NTRK1, NTRK2, NTRK3)	
M63	Inflammatory Myofibroblastic Tumour	M63.3	Multi-target NGS panel – structural variant (ALK, TPM4-ALK, TPM3-ALK, NTRK1, NTRK2, NTRK3)	Α
M64	Low Grade Fibromyxoid Sarcoma	M64.1	FUS rearrangement FISH	В
M65	Mesenchymal Chondrosarcoma	M65.3	Multi-target NGS panel – structural variant (HEY1-NCOA2, NTRK1, NTRK2, NTRK3) [EXPORT]	С
M66	Myoepithelial Tumours of Soft	M66.1	EWSR1 rearrangement FISH	В
	Tissue	M66.3	Multi-target NGS panel – structural variant (EWSR1, NTRK1, NTRK2, NTRK3)	Α
M67	Myxoid/Round Cell Liposarcoma	M67.1	DDIT3 (CHOP) rearrangement FISH	В
M68	Myxoinflammatory Fibroblastic	M68.1	TGFBR3-MGEA5 rearrangement FISH [EXPORT]	В
	Sarcoma	M68.3	MDM2 copy number FISH	В
		M68.4	Multi-target NGS panel – structural variant (<i>TGFBR3-MGEA5</i> , NTRK1, NTRK2, NTRK3) [EXPORT]	С
M69	Nodular Fasciitis	M69.2	Multi-target NGS panel – structural variant (USP6) [EXPORT]	
M71	Phosphaturic Mesenchymal Tumour	M71.3	Multi-target NGS panel – structural variant (FN1, NTRK1, NTRK2, NTRK3) [EXPORT]	
M74	Radiation Induced Angiosarcoma	M74.1	MYC copy number FISH	В
M75	Round Cell Sarcoma Nos	M75.1	Multi-target NGS panel – structural variant (CIC, BCOR-CCNB3, NTRK1, NTRK2, NTRK3) [EXPORT]	С
M76	Sclerosing Epithelioid Fibrosarcoma	M76.1	FUS rearrangement FISH	
M77	Synovial Sarcoma	M77.1	SS18 rearrangement FISH	В
M78	Undifferentiated Round Cell	M78.1	Multi-target NGS panel – structural variant (CIC, NTRK1,	С
	Sarcoma of Infancy		NTRK2, NTRK3) [EXPORT]	
M79	WellDifferentiated/Dedifferentiated Liposarcoma	M79.1	MDM2 copy number FISH	
M197	Round Cell Sarcoma of Soft Tissue Differential	M197.1	Multi-target NGS panel – structural variant (BCOR, CIC, DDIT3, EWSR1, FOX01, WT1, BCOR-CCNB3, HEY1-NCOA2, PAX3-FOX01, PAX7-FOX01, NTRK1, NTRK2, NTRK3) [EXPORT]	
M198	Vascular Soft Tissue Tumour	M198.1	MYC copy number FISH	В
	Differential	M198.5	Multi-target NGS panel – structural variant (SERPINE1-FOSB,	С
			WWTR1-CAMTA1, NTRK1, NTRK2, NTRK3) [EXPORT]	
M199	Spindle Cell Soft Tissue Tumour Differential	M199.1	Multi-target NGS panel – small variant (APC, CTNNB1)	Α
		M199.2	Multi-target NGS panel – structural variant (ALK, BCOR, CIC, EWSR1, FUS, SS18, USP6, COL1A1-PDGFRB, TPM3-ALK, TPM4-	С
		N4100 F	ALK, ETV6-NTRK3, NTRK1, NTRK2, NTRK3) [EXPORT]	n .
M200	Myxoid Soft Tissue Tumour	M199.5 M200.1	MDM2 copy number FISH Multi-target NGS panel – structural variant (BCOR, DDIT3,	С
VI200	Differential	WIZ00.1	FUS, NR4A3, TGFBR3-MGEA5, BCOR-CCNB3, NTRK1, NTRK2, NTRK3) [EXPORT]	
M201	Adipocytic Soft Tissue Tumour	M201.1	DDIT3 rearrangement FISH	В
	Differential	M201.2	MDM2 copy number FISH	В
M202		M202.7	Multi-target NGS panel – structural variant (EWSR1, FUS, SS18, TFE3, WWTR1-CAMTA1, NTRK1, NTRK2, NTRK3)	
M203	Uterine Sarcomas (Inc Endometrial)	M203.6	[EXPORT] Multi-target NGS panel – structural variant	С
UTDI:	Fusion analysis (ALTOYA, ALTOYA	M227 4	(EPC1-PHF1, JAZF1-PHF1, JAZF1-SUZ12, NUTM2B-YWHAE, NTRK1, NTRK2, NTRK3) [EXPORT]	
	fusion analysis (<i>NTRK1, NTRK2,</i> 3)	M227.1	Please specify clinical indication:	A
NTRK3	-		Multi target NCC panel small variant	Α
<i>NTRK3</i> Paedia	tric Pan-Cancer Panel		Multi-target NGS panel – small variant	
NTRK3 Paedia Whole or rec ottps:/	e genome sequencing for germl questing details		mour is available for sarcoma, please refer to the lin	

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*Sample Requirements Key:
A (DNA or RNA extraction only)
Sample with >20% neoplastic cells: send one tube (Eppendorf or Universal): containing 5 x 10μm sections (curls/scrolls) OR Sample with <20% neoplastic cells: send 10 x 5μm slide mounted sections along with H&E with regions of >20% neoplastic cells highlighted.
B (FISH)
\square Please send 2 x 4 μ m sections on 'APES' or 'sticky' slides per test required with an accompanying H&E section with the tumour area clearly marked
<u>C</u> (SLIDES EXPORTED)
\square Please send 5 x 10 μ m mounted sections on (unstained, uncharged) with an accompanying H&E section with the tumour area clearly marked
Samples should be dispatched as soon as possible as the patient's treatment may be dependent upon the molecular analysis.
Send paperwork and sample to:
Bristol Genetics Laboratory, Pathology Sciences, Southmead Hospital, Bristol BS10 5NB
Phone: 0117 414 6168
Email: nbn-tr.SWGLHcancer@nhs.net
CONSENT STATEMENT It is the referring clinician's responsibility to ensure that the patient/carer knows the purpose of the test and that the DNA sample will be retained in long term storage and may be used 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.

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