720 Twentieth Street South, Suite 330 Birmingham, Alabama 35294-0005 Phone: (205) 934-5562 Fax: (205) 996-2929

www.uab.edu/medicine/genetics/medical-genomics-laboratory

UAB MGL Accession

For MGL Lab Use Only

	Received:	Reviewed:	Accession:	Billing:	Other:
Initials:					
Date:					
Comment:					

Important Notes

-This form must accompany all specimens received -Billing information (page 5) must be included Additional information is available online at www.ua			-All specimens received must include two patient identifiers and collection date -Testing must be ordered by a qualified clinician					
	Additi	onal information		isition Form		edicai-ge	enomics-iaborat	cory
	Patier	nt Informatio	·			Ord	ering Physic	ian:
Sample Collected: (MM/DD/YY)				□ Please chec	k box if phy		ould receive rep	
				Name: NPI:				
Legal Name: (First) (MI) (Last)								
			Institution:					
DOB: (MM/DD/YY)		MRN:		Address:				
Address:				City:			State:	Zip:
City:		State:	Zip:	Country:		Phone		
Sex at Birth:		SSN:		Please check presult delivery		□ Fax:		
Parent or Guardian name	(if minor)	:		□ Email:				
Referring Lab/Hospital:					Addit	ional Report	ts to:	
□ Please check box if lab/hospital should receive report directly			Name:					
Name:				Institution:				
Institution:				Address:				
Address:				City:			State:	Zip:
City:		State:	Zip:	Country:		Phone:		
Country:	Phone:			Please check p		☐ Fax:		
Please check preferred result delivery:	□ Fax:			result delivery	/ :			
□ Email:								
			Previous Te	esting Histor	γ			
Charle III that and he	☐ Patie	ent or family m	ember is pregnant. LMP:		-	nt has h	ad chemothe	rapy in the past 6 months
Check all that apply:	☐ Patie	ent has had a b	one marrow transplant	☐ Infectious diseases (AIDS, Hepatitis, etc.)				
		На	as this patient or relatives ha	ad previous test	ting?□ Ye	s 🗆 No		
Name/Relationship to patient:			Test/Variant/Lab:					
Name/Relationship to patient:			Test/Variant/Lab:					
			Informe	d Consent				
	test(s) req	uested with the	enefits, limitations, and implica patient/guardian and I have ar e maintained.	ations of genetic	_			

MEDICAL GENOMICS LABORATORY

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Phone: (205) 934-5562 Fax: (205) 996-2929 UAB MGI Accession

Name: DOB: (MM/DD/YY)

Lymphocyte/White Blood Cell-based Comprehensive Testing via Next-Gen Sequencing ☐ RUSH Analysis: Testing completed within 15 working days of receipt of sample (Additional \$600 RUSH fee applied; only available for tests on this page) NF1/Legius syndrome and Other RASopathy Related Conditions NF2/Schwannomatosis/Meningiomatosis ☐ NF1-NG: NGS and Del/Dup: NF1 only ☐ NF2-NG: NGS and Del/Dup: NF2 only ☐ NFSP-NG: NGS and Del/Dup: NF1 and SPRED1 ☐ SCH-NG: NGS: 3 genes: LZTR1, NF2, and SMARCB1; and Del/Dup: □ NNP-NG: NGS: 17 genes (no NF1): BRAF, CBL, HRAS, KRAS, LZTR1, NF2, LZTR1, and SMARCB1 MAP2K1, MAP2K2, NRAS, PPP1CB, PTPN11, RAF1, RASA2, RIT1, SHOC2, SOS1, SOS2, and SPRED1; and Del/Dup: SPRED1 and LZTR1 ☐ MEN-NG: NGS: 4 genes: NF2, SMARCB1, SMARCE1, and SUFU; and Del/Dup: NF2 and SMARCB1 ☐ RAS-NG: NGS: 18 genes: BRAF, CBL, HRAS, KRAS, LZTR1, MAP2K1, MAP2K2. NF1. NRAS. PPP1CB. PTPN11. RAF1. RASA2. RIT1. SHOC2. SOS1. Peripheral Nerve Sheath Tumor Testing SOS2, and SPRED1; and Del/Dup: NF1, SPRED1, and LZTR1 ☐ PNT-NG: NGS: 6 genes: NF1, NF2, KRAS, LZTR1, PTPN11 and ☐ CST-NG: NGS: HRAS only SMARCB1; and Del/Dup: NF1, NF2, LZTR1, and SMARCB1 McCune-Albright Syndrome **Rhabdoid Tumor Predisposition Syndrome** ☐ GNAS-NG: NGS: GNAS exons 8 and 9 only ☐ RT-NG: NGS: SMARCB1 and SMARCA4; and Del/Dup: SMARCB1 only **Tuberous Sclerosis Complex** Capillary Malformation Arteriovenous Malformation Syndrome ☐ TSCP-NG: NGS and Del/Dup: TSC1 and TSC2 ☐ RASA-NG: NGS: and Del/Dup: RASA1 and EPHB4

Additional Information

Test Description Key:

Next Generation Sequencing (NGS) Deletion/Duplication analysis (Del/Dup) For additional testing options via tumor/biopsy, please see page 3 of this order form.

Please contact the lab via phone (205) 934-5562 or via email at medgenomics@uabmc.edu if you have any questions when completing this form. For additional information, visit our website at www.uab.edu/medicine/genetics/medical-genomics-laboratory

Important points of consideration for testing

The average coverage for all of our panels is >1600x. Specifically for the NF1 gene, the NGS approach covers >98% of the NF1 coding region at \geq 350X and 99% ≥200X, allowing detection of very low level mosaicism, down to 3-5% variant allele fraction respectively. For all other genes on our panels, the NGS approach covers an average of 99% at ≥200X. Remaining regions are covered at ≥30X. However, for patients with segmental/mosaic presentation, deep coverage in lymphocyte cells may be insufficient to identify the underlying gene change. Testing the affected tissue(s) may be necessary to confirm a diagnosis. Please see page 3 for our tumor/biopsy-based testing options.

Please note: For patients with an ongoing pregnancy who require comprehensive NF1 testing, "NF1-R" is recommended due to the sensitivity and fast turnaround time of this test (please see page 4 for this option).

Specimen Requirements					
Accepted Specimens	Specimen Information:				
Specimen requirements vary based on test requested; please see our website for more details.	□ Peripheral Blood (EDTA); # Tubes: □ Extracted DNA; Source:				
-Blood: 3-6ml EDTA (receipt within one week of collection) -Saliva: OGR-575 DNA Genotek (kits are provided upon request) -DNA: extracted from lymphocyte cells, a minimum of 25ul at 3µg, O.D. value at 260:280nm ≥1.6 (must be extracted in a CLIA or equivalent certified lab) -Fibroblast cells	□ Saliva (kit must be provided by MGL) □ Other, please describe: Please note: failure to provide a date of collection can delay release of results Sample Collected Date (required):				

LIPSMEDICAL GENOMICS LABORATORY

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	<u>, , , , , , , , , , , , , , , , , , , </u>			
Name: (First) (MI)	(Last)	DOB: (MM/DD/YY)		
	Tumor/Biopsy-based (Comprehensive Testing		
☐ Please check	here if blood or DNA is provided fo	or confirmation testing. Blood Collected: (MM/DD/YY)		
NF1/SPRED1 on biopsied CA	Ls and Neurofibromas	NF2-, LZTR1-, SMARCB1-related Schwannomatosis		
Please contact the laboratory <u>at least one week</u> in advance of the biopsy before ordering this test as media must be provided in advance and special shipping instructions apply. Biopsies must arrive within 60 hours of collection		 □ NF2-NG: Fresh/Frozen Tumor or Tumor Block for NGS with reflex to Sanger as needed and Del/Dup: NF2 only □ SCH-NG: Fresh/Frozen Tumor or Tumor Block for NGS with reflex to Sanger as needed and Del/Dup: NF2, LZTR1, and SMARCB1 		
T NETAC CONTROL (DNA) on AD ALIDON NETA	/ with a set of the first to	Rhabdoid Tumor Predisposition Syndrome		
☐ NF14C: Sanger(RNA) and Del/Dup: NF1 (with automatic reflex to SPRED1) on biopsied CALs ☐ NF14N: Sanger(RNA) and Del/Dup: NF1 on biopsied neurofibromas		☐ RT-NG: Fresh/Frozen Tumor or Tumor Block for NGS with reflex to Sanger as needed <i>SMARCB1</i> and <i>SMARCA4</i> ; and Del/Dup: <i>SMARCB1</i> only		
RASopathy Related	Conditions	Meningiomatosis		
□ NNP-NG: Fresh/Frozen Tumor for NGS (no <i>NF1</i>) or Tumor Block for		☐ MEN-NG: Fresh/Frozen Tumor or Tumor Block for NGSwith reflex to Sanger as needed: NF2, SMARCB1, SMARCB1, and SUFU; and Del/Dup: NF2 and SMARCB1		
NGS with reflex to Sanger as needed: BR MAP2K1, MAP2K2, NRAS, PPP1CB, PTPN		Peripheral Nerve Sheath Tumor Testing		
SOS1, SOS2, and SPRED1; and Del/Dup: S	SPRED1 and LZTR1	☐ PNT-NG: Fresh/Frozen Tumor for NGS with reflex to Sanger as needed: NF1, NF2, KRAS, LZTR1, PTPN11 and SMARCB1; and Del/Dup: NF1, NF2, LZTR1, and SMARCB1		
Sanger as needed: BRAF, CBL, HRAS, KRA		Tuberous Sclerosis Complex		
NF1, NRAS, PPP1CB, PTPN11, RAF1, RAS, and SPRED1; and Del/Dup: NF1, SPRED1		☐ TSC-NG: Fresh/Frozen Tumor or Tumor Block for NGS with reflex to Sanger as needed and Del/Dup: <i>TSC1</i> and <i>TSC2</i>		
	Additional	Information		
<u>Test Description Key:</u> Next Generation Sequencing (NGS) Sanger Sequencing (Sanger) Deletion/Duplication analysis (Del/Dup)	questions when completing this fo	205) 934-5562 or via email at medgenomics@uabmc.edu if you have any rm. Ir website at www.uab.edu/medicine/genetics/medical-genomics-laboratory		
	Important points of co	onsideration for testing		
3%of the alleles, depending on co	overage in the regions of interest	ovide the ability to identify variants (indels and substitutions) as low as I" approach for confirming a diagnosis of mosaic/segmental NF1 or		
 Legius Syndrome. A minimum of two biopsies is required for NF1 testing. Two or more tumors are suggested for our other testing options. There are no additional fees associated with testing on additional biopsy specimens. When proceeding with tumor-based testing for NF2-related SWN, test code "SCH-NG" (NF2, SMARCB1, and LZTR1) is suggested unless the patient has findings unique to NF2. 				

Specimen Requirements Specimen Information: **Accepted Specimens** Specimen requirements vary based on test requested; please see our website for □ Fresh □ Frozen more details. □ Paraffin Curls □ Paraffin Block -CALs or Neurofibromas: require special media transport (kits are provided □ Extracted DNA; Source: _ upon request, to be arranged at least one week in advance of procedure) ☐ Biopsy-CAL-spot; # biopsies: -Fresh/Frozen Tumors: please submit a pathology report; for additional requirements, see tumor submission checklist ☐ Biopsy-Neurofibroma; # biopsies: ___ -Formalin-Fixed Paraffin-Embedded Tumors (Tumor Block): please submit a pathology report; blocks are preferred to curls, when available; for additional Please note: failure to provide a date of collection can delay release of results requirements, see tumor submission checklist Tumor Collection Date (required): _

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Name: (First) (MI)	(Last)		DOB: (MM/DD/YY)	
	Sanger Testing from	m Blood/Saliv	va/DNA	
NF1/Legius syndrome and Other RASo	pathy Related Conditions	Medium Chain Acyl-CoA Dehydrogenase Deficiency (MCADD)		
☐ NF1-R: Sanger and Del/Dup: <i>NF1 (RNA)</i>		☐ MCD1: Targ	geted analysis of exon 11 and, if needed, reflexive full gene	
☐ NFSP-R: Sanger and Del/Dup: NF1 (RNA)	and SPRED1 (gDNA)		y Sanger: ACADM	
Von Hippel-Lind	au	А	Autosomal Recessive Polycystic Kidney Disease	
☐ VHL1: Sanger and Del/Dup: VHL		☐ PKDL: Linka	age Analysis for informativity	
PTEN-Related Diso	rders			
☐ PTEN1: Sanger and Del/Dup: PTEN		☐ PKDPL: Pre	enatal Linkage (see Prenatal Specimen Requirements)	
Fragile X syndror	ne	FATHER: Na	ame and DOB (mm/dd/yyyy)	
☐ FRX: PCR and, if needed, reflexive confirm Southern blot analysis: <i>FMR1</i>	matory testing by	MOTHER: <u>N</u>	lame and DOB (mm/dd/yyyy)	
	Known Var	riant Testing		
and/or FISH analysis (Complete Previous Te	eviously identified known varia esting History: Page 1)	ant in any gene t	that is available at our lab by Sanger sequence, MLPA,	
☐ KT2-NG: Targeted testing for a known va of alleles (Complete Previous Testing Histo		ne alleles and de	etection of mosaicism for a variant present in at least 3%	
☐ RT2: Targeted RNA-based testing for VO	US found during Next Generat	ion Sequencing	(Complete Previous Testing History: Page 1)	
☐ PT2: Prenatal testing (see Prenatal Speci☐ MCC: Blood specimen for mothe			ng History: Page 1) tudies (required if not previously tested)	
	☐ Other (unlisted option	ns. please inc	dicate below)	
	**Please contact lab before			
		_		
	Additional	Information		
Test Description Key: Next Generation Sequencing (NG) Sanger Sequencing (Sanger) Deletion/Duplication analysis (Del/Dup)	Please contact the lab via phone questions when completing this	e (205) 934-5562 (s form.	or via email at medgenomics@uabmc.edu if you have any	
	Specimen R	equirements	s	
Accepted Prenatal Sp	ecimens		Prenatal Specimen Information:	
Specimen requirements vary based on test requirements	ested; please see our website	□ Amniotic fluic	d 🗆 Direct CVS (cleaned)	
for more detailsDirect CVS: minimum 10 mg cleaned villi		□ Cultured amn	niocytes Cultured villus cells	
-Direct amniotic fluid: minimum 10 ml fluid		Location of ba	ack-up culture (required):	
-Cultured CVS: Two T25 flasks (>70% confluent)		Sample Collec	cted Date (required):	
-Cultured amniocytes: Two T25 flasks (>70% co	·		Specimen Information:	
Specimen requirements vary based on test requi		□ Peripheral Blo	lood (EDTA); # Tubes:	
for more details.		□ Extracted DN	, , ,	
-Blood: 3-6ml EDTA (must arrive within 60-72 hc RNA-based tests)	ours of collection for	☐ Other, please		
-DNA: extracted from lymphocyte cells, a minim	um of 25ul at 3μg, O.D. value at			
260:280nm ≥1.6 (must be extracted in a CLIA or -Sperm (for KT2-NG only): Fresh, sterile semental bank/cryobank facility		Please note: failure to provide a date of collection can delay release of results Sample Collected Date (required):		

LIFEMEDICAL GENOMICS LABORATORY

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mingham, Alabama 35294-0005 Fax: (205) 996-2929 www.uab.edu/medicine/genetics/medical-genomics-laboratory

Phone: (205) 934-5562

UAB MGL Accession

Name:	(First)	(⋈1)	(Last)		DOB: (MM	/DD/YY)		
			Bil	ling				
	☐ Please hold sample until further notice from the ordering facility.							
			Important	Information				
	, ,	. , ,	agree that you have d		0.			
						e: If you are paying via self-payment or Requests for cancellation, test change, or		
	ethod change of ongo	ing testing must	be submitted to the la	aboratory within t	hree working	days of specimen arrival. Individuals or		
						rges for the cost of testing. nedical-genomics-laboratory		
☐ Institution		trie billing polici	es is available at www	.uab.euu/meuicm	ie/genetics/n	iedical-genomics-laboratory		
	Jilai bili	☐ Please cl	neck box if billing instit	ution should receiv	ve report dire	ectly		
Institution:		- Fredde G	Teek box II billing Illotte	ation should recei	PO# (if applic			
IIISULUUOII.					РО# (п аррпс	abie).		
Address:								
City:				State:		Zip:		
Contact (Name	e and Title):					Preferred method of contact: ☐ Email ☐ Phone		
Email:			Phone:			Fax:		
☐ Self-Payr	ment Enclosed *PLE	ASE ENSURE ALL IN	IFORMATION IS LEGIBLE*	•				
	[☐ Visa	☐ MasterCard	☐ Discover	☐ Americ	can Express		
Name as it app	pears on card:							
Card Number:				Expiration: (MM,	/YY)	3-digit Security Code:		
Cardholder's	Signature:					Preferred method of contact: ☐ Email ☐ Phone		
Email:						Phone:		
	Party Insurance Co							
Insurance Carr	ier:			_		rized in advance of shipment.		
Insurance pre-verification/authorization previously performed? 🗆 Yes 🗖 No If yes, approval number is required:								
☐ Please chec	☐ Please check box if you would <u>not</u> like insurance pre-verification/authorization to be performed by the MGL.							
ICD-10 Code	s (required):	Please send	a legible copy of the pa	tient's insurance ca	rd, front and b	ack.		
		Impo	rtant Consideration	ons for Insurar	nce Billing			

For a list of contracted insurance companies, please visit our website or call our billing coordinator at 205-934-5523. As insurance prices are not listed, please call the billing coordinator to request a quote, if needed.

The MGL will contact the insurance provider to inquire regarding the CPT code coverage for all samples submitted for insurance payment. The healthcare provider will be contacted with the copay/deductible and also in cases where the insurance provider denies coverage of the requested codes or supporting documents are required from the provider to confirm coverage. The ordering provider/clinician's office is responsible for obtaining prior authorization, if it is required. This service is not offered for prenatal samples.

Please note: An insurance verification is not a guarantee of payment. Out of State Medicaid is not accepted under <u>any</u> circumstances. All RUSH fees must be paid up front. By completing this form, you agree that you have discussed the MGL's billing policies with your patient.

720 South Twentieth Street, Suite 330 Birmingham, Alabama 35294-0005 www.genetics.uab.edu/medgenomics

Tel: (205) 934-5562 Fax: (205) 996-2929

Informed Consent for Genetic Testing

This form does not need to be returned to the Medical Genomics Laboratory if Informed Consent portion of the Test Request form has been signed.*

I hereby consent for:		
Name:	DOB:	Gender:

To participate in genetic testing for the following RNA/DNA-based cascade of tests ordered by my physician at the University of Alabama at Birmingham (UAB) Medical Genomics Laboratory (MGL):

Genetic Tests:	

I understand that:

- 1. Any biological samples submitted for genetic testing (e.g., blood, cheek cells, saliva, amniotic fluid, chorionic villi, tumor, and/or tissue) will be removed from me and/or my minor child(ren) using standard techniques which carry their associated risks.
- 2. Any samples obtained will be used for the purpose of attempting to determine if I and/or members of my family carry genetic changes in the disease genes ordered by my physician.
- 3. The genetic tests performed at the MGL are the most sensitive developed and are highly specific. However, sensitivity and specificity are test-dependent. Additional testing details and the specific detection rates of each test can be found at www.genetics.uab.edu/medgenomics.
- 4. The following are possible outcomes for the specific tests listed above:

Positive	Unknown Significance	Negative
This is an indication that I may be predisposed to or have the specific disease, or condition tested. Further testing may be needed to confirm the diagnosis.	There may be a possibility that the laboratory findings will be ambiguous or of unknown significance. This may require additional testing from me or my family members. In rare circumstances, findings may be suggestive of a condition different than the diagnosis that was originally made.	technology and incomplete knowledge of genes, some changes in RNA/DNA or protein

- 5. In other cases, the RNA/DNA test is unable to identify an abnormality although the abnormality may still exist. This event may be due to incomplete knowledge of the gene structure or an inability of current technology to identify certain types of mutations in the gene. When clinically necessary, the MGL may use a method called linkage analysis. This method is not a direct test, but will report the probability that you and/or family members have an inherited disease or disorder. In some families, the markers used in linkage analysis may be uninformative. If so, linkage testing cannot provide results for the family members in question.
- 6. The RNA/DNA analysis performed by the MGL is specific for the genetic test listed above and in no way guarantees my health or the health of my living or unborn children. The MGL cannot be responsible for an erroneous clinic diagnosis made elsewhere.
- 7. The tests performed at the MGL are expanded and improved continuously. The tests offered are not considered research but are considered the best and newest laboratory service that can be offered. Genetic testing is complex and utilizes specialized materials so there is always some very small possibility that the test will not work properly or that an error will occur. There is a low error rate (perhaps 1 in 1000 samples) even in the best laboratories. Additionally, in very rare instances, this test may reveal an important genetic change that is not directly related to the clinical reason for ordering this test. This would be considered an incidental finding. The MGL reserves the right to report these incidental findings if they are clinically relevant to the patients and/or their families In such instances, these results will be discussed with my healthcare provider and additional testing may be recommended. My signature acknowledges my voluntary participation in this test, but in no way releases the laboratory and staff from the MGL from their professional or ethical responsibility to me.
- 8. The MGL does not return DNA samples to individuals or physicians. While the MGL is not a specimen banking facility, in some cases it may be possible for the laboratory to reanalyze my remaining DNA upon request. The request for additional studies must be ordered by my referring physician/counselor and there will be an additional fee.

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- 9. An aliquot of my DNA/RNA may be used for validation, educational and/or research purposes. For some molecular genetic tests, a synopsis of clinical information and test results may be included in HIPAA-compliant, de-identified public databases as part of the National Institute of Health's effort to improve diagnostic testing and our understanding of the relationships between genetic changes and clinical symptoms. If I would like to opt out of participation, I can contact the MGL via email at medgenomics@uab.edu or calling the laboratory at 205-934-5562.
- 10. Because of the complexity of genetic testing and the important implications of the test results, results will only be reported to me through a physician, genetic counselor, or a certified genetics professional. The results are confidential to the extent allowed by law. They will only be released to other medical professionals or other parties with my written consent or as otherwise allowed by law. Participation in testing is completely voluntary.
- 11. For Prenatal Testing: If prenatal diagnosis is being performed, fetal cells obtained by chorionic villus sampling or amniocentesis will be used. In order to perform accurate prenatal diagnosis, biological samples are required for the fetus as well as from the affected individual in the family and from the biological mother.
- 12. I and/or my physician/counselor have signed the informed consent portion of the test order form indicating that we have discussed the items on this document and I will also receive a copy of this consent form.

Subject's Signature	Date	Physician's Signature	Date
Please Print Subject's Name		Please Print Physician's Name	
Assent of Parent	Date	Genetic Counselor's Signature	Date
Assent of Child	 Date	Please Print Genetic Counselor's I	Name



MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM

U/B				_
			 Date of Exam / /	
DEMOGRAPHIC IN				
Gender: Male	- -emale	Date of Birth://_	_	
Ethnicity: Mother: Father:		ck		
<u>DIAGNOSIS</u>				
Clinical diagnosis:	☐ NF1 ☐ Spinal NF ☐ NF Noonan ☐ Segmental NF1 ☐ Noonan syndrome ☐ Noonan syndrome wit ☐ Cardio-facio-cutaneou ☐ Costello syndrome	th multiple lentigines (LEOP <i>I</i> us syndrome (CFC)		
□ >2 □ Axi □ Fir	CAL spots >5mm, postpube neurofibromas or 1 plexiforr illary or inguinal freckling st degree relative diagnosed patient fulfill NIH diagnostic	m NF	c glioma isch nodules stinct osseous lesion	
Family history: Sp Consanguinity: Ye		er") 🔲 Familial (proband is a	a "non-founder") 🔲 Unknov	/n
GENERAL INFORM	<u>MATION</u>			
Height: cm (Sł	nort stature) Head o	circumference: cm (Macrocephaly)	Weight: kg
Clinical Features				
☐ Pa ☐ Mid	sent crocephaly lpebral ptosis dface hypoplasia ner:	☐ Unknown ☐ Bitemporal narrowing ☐ Low posterior hairline ☐ Short / webbed neck	☐ Hypertelorism☐ Low set / rotate☐ Downslanting p	ed ears palpebral fissures
☐ Ab		n of the CAL-spots and other Unknown Dry/hyperkeratotic skin Abnormal/sparse eyeb	n ☐ Hair abnormali	ties
☐ tyj ☐ irr Skin fold freck Groin Axilla	ral impression on the borders pical well-defined smooth bo egular margins, ragged bord	orders diameter: ders diameter:	>100	

MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM

U/B

Lisch nodules:	None	Unknown	Left	☐ Rig	ht	
Neurofibromas:	urofibromas (oott n	adulas that project a	hava tha akin'	١.		
Histopa	urofibromas (soft of athologically confident of the confi	irmed: Y / N	00 >500 skin w/ pinkis 00 >500 erneath the sl 00 >500 utside mentation k tal area trve root): If p	0 sh overlying disc 0 kin): 0 Int W L Arm R Arm oresent, please	ternal lithout hyperpigm □ L Hand □ □ R Hand □ e provide detail oi	L Leg
Other neoplasms: Optic glioma:	☐ Abse	ent	Unknow	v n		tic
☐ MPN ☐ Phei ☐ schv	IST ochromocytoma vannoma ist cancer	☐ JMML ☐ Colonic polyps ☐ meningioma ☐ Other, specify	S [Rhabdomyos Lipoma juvenile xant	sarcoma thogranuloma	
☐ Bon☐ pect	ent g bone dysplasia e cysts us excavatum ad chest / telethelia	☐ Unknown ☐ Pseudarthrosi ☐ scoliosis ☐ pectus carinat ☐ Other:] Sphenoid wing Dysplastic versigned [] Cubitus valg	ertebrae	
<u>Cardiovascular</u> :	Absent Present:	Unknown Hypertension Moya moya Arrhythmia Atrial septal de ECG anomalie Unknown] Pulmonary v	anomaly	•
Development:	☐ Normal for ag ☐ Gross Motor [☐ Hyperactivity ☐ Other:	Delays	☐ Learning	otor Delays g disability	☐ Hypotonic ☐ ADD ☐ Unknown Verbal	Hypertonic Speech Delays Exam not done Performance

MEDICAL GENOMICS LABORATORY: NF1/SPRED1 & RASOPATHIES PHENOTYPIC CHECKLIST FORM

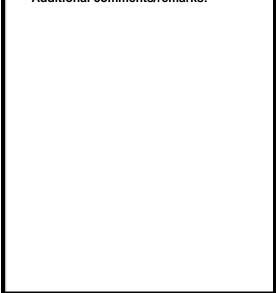


	Too young for school HS completion	☐ At or above age lev☐ College graduate		ow age level her degree	Unknown		
Hematological:	abnormal hemostasis	☐ Factor XI deficiency	∕ ☐ Oth	er:	Unknown		
Segmental NF phenotype: ☐ Absent ☐ Possible Please indicate location/size of pigmentary lesions and/or neurofibromas							
Ten		HIM	Neurofibr CAL-spot Freckling	ts 👛	n of		
Please indicate location of spinal tumors (if present)			Г	Additional com	ments/remarks:		
	C2 C4 C3 C5 C6 C7 T1 T2 T3 T4 T5 T6 T7 T8 T9 T10	C8 Cervical nerves					

Lumbar nerves

Coccygeal nerve

Sacral nerves



Cauda equina

www.genetics.uab.edu/medgenomics

Tumor Specimen Submission Checklist

The following requirements must be met in order to process tumor specimens. The UAB Medical Genomics Lab now proudly offers Fresh/Frozen/FFPE Tumor testing utilizing Next Generation Sequencing. Please confirm that the submitted tissue meets each requirement by placing a check mark next to each statement. If your pathology department is unable to confirm this information for you, please select the check-box below. If Neurofibromatosis Type 1 is your primary concern, neurofibromas and biopsied CALs still require being collected in our media and are run via Sanger sequencing. Please contact the MGL at (205) 934-5562 to request collection media for these sample types.

For NGS Sequencing

	Fresh Tumor Specimen Checklist				
	This tumor is at least 5mm-cubed				
	This specimen contains at least 60% pure tumor content				
	Each specimen has been sent in individual vials of basic, sterile culture media such as RPMI or PBS				
	and is marked with its specific location and/or tumor type				
	Frozen Tumor Specimen Checklist				
	This tumor is at least 5mm-cubed				
	This specimen contains at least 60% pure tumor content				
	This specimen has been snap frozen and sent on dry ice and is marked with its specific location				
	and/or tumor type				

Formalin-fixed paraffin embedded block				
This tumor block has a surface area of a least 5mm squared or This specimen contains at least 3-6				
loose paraffin curls (no slides) that are 30-50 microns thick				
This tumor specimen contains greater than 70% nucleated cells				
This specimen contains at least 60% pure tumor content				
Notes or Special Comments				