

## Curated Multigene Panel TRF

Please complete every field and tick box clearly.

### PATIENT INFORMATION

<input type="text"/>	<input type="text"/>	<input type="text" value="MM/DD/YYYY"/>
Patient's First Name	Middle Initial	Patient's Date of Birth

<input type="text"/>	<input type="text"/>
Patient's Last Name	Patient ID/MR Number

Biological Sex:  Male  Female  Unknown  
 Gender Identity (if different from above):

Patient's Street Address

<input type="text"/>	<input type="text"/>	<input type="text"/>
City / Town	State	Zip Code

<input type="text"/>	<input type="text"/>
Country	Patient's Preferred Phone

Patient's Email

Ethnicity (check all that apply):

<input type="radio"/> African-American	<input type="radio"/> Asian (China, Japan, Korea)
<input type="radio"/> Caucasian/N. European/S. European	<input type="radio"/> Finnish
<input type="radio"/> French Canadian	<input type="radio"/> Hispanic
<input type="radio"/> Jewish - Ashkenazi	<input type="radio"/> Jewish - Sephardic
<input type="radio"/> Mediterranean	<input type="radio"/> Middle Eastern (Saudi Arabia, Qatar, Iraq, Turkey)
<input type="radio"/> Native American	<input type="radio"/> E. Indian
<input type="radio"/> Southeast Asian (Vietnam, Cambodia, Thailand)	<input type="radio"/> South Asian (India, Pakistan)
<input type="radio"/> Other (specify) <input type="text"/>	

### ORDERING PROVIDER

Provider's First and Last Name

<input type="text"/>	<input type="text"/>
PKIG Ordering Provider Account Number	NPI

Clinic/Hospital/Institution Name

<input type="text"/>	<input type="text"/>
Provider's Email	Provider's Phone

Provider's Street Address

<input type="text"/>	<input type="text"/>	<input type="text"/>
City / Town	State	Zip Code

<input type="text"/>	<input type="text"/>
Country	Provider's Fax

### SEND ADDITIONAL COPY OF RESULTS TO (If applicable)

Name

<input type="text"/>	<input type="text"/>
PKIG Ordering Provider Account Number	Phone Number

<input type="text"/>	<input type="text"/>
Email Address	Fax Number

### PHYSICIAN CONFIRMATION OF INFORMED CONSENT AND MEDICAL NECESSITY

The undersigned person (or representative thereof) ensures he/she is a licensed medical professional authorized to order genetic testing and confirms that the patient has given appropriate informed consent for the testing ordered, including a discussion of the benefits and limitations. I confirm that testing is medically necessary and that test results may impact medical management for the patient. I understand and agree that, if the patient's insurance requires genetic counseling prior to performance of the ordered test, PerkinElmer will provide the patient information to a third party service so the patient can obtain genetic counseling. I understand and agree that a genetic counselor will be permitted to review the test(s) I have ordered and make changes based on clinical or payor related specifications, and that the genetic counselor will submit to the payor the required documentation in support of the test as ordered or with any recommended changes. I attest that all information on this TRF is true to the best of my knowledge. My signature applies to the entirety of the statement above and/or attached letter of medical necessity.

Signature \_\_\_\_\_ Date \_\_\_\_\_

### PATIENT SAMPLE INFORMATION

**SAMPLE TYPE:**

Saliva Swab Collection Date:   
 Whole Blood Was this sample collected in NY State:  yes  no  
 Dried Blood Spots  
 Other \_\_\_\_\_

### INDICATION FOR TESTING (Required)

ICD10 Code(s): \_\_\_\_\_  
 Clinical Diagnosis: \_\_\_\_\_  
 Age at Initial Presentation: \_\_\_\_\_

### TEST MENU

Curated panel by clinical indication  
 Choose any of our multigene disease-specific next-generation sequencing panels (no reflex options). Clinical indications include neuromuscular, neurology, cardiology, hereditary cancer, and other categories such as hearing loss and ophthalmology. Log into ordering portal to select the correct panel at <https://client.perkinelmergenomics.com/login/>

**TO ORDER ON PAPER:**  
 Provide test code here: \_\_\_\_\_  
 Provide test name here: \_\_\_\_\_

**Please note: STAT test codes are not billable to insurance.**

D3000 AnyPanel™ Test  
 Custom exome-based panel (with reflex options). Gene total may range from 2 to 1,000 genes; if larger, whole exome sequencing is more efficient. Please submit custom requested gene list for testing at [apps.perkinelmergenomics.com/genelist](https://apps.perkinelmergenomics.com/genelist), and include custom panel ID below.

**PROVIDE CUSTOM PANEL ID HERE:** \_\_\_\_\_

### Curated genome panel by clinical indication

Choose a genome panel below. These are curated gene panels that utilize genome sequencing to offer an unparalleled level of coverage for targeted genes. Genome panels offer a single testing platform for detecting more variations than in traditional targeted gene panels, including single nucleotide variants, intragenic deletions and duplications, full intronic coverage, as well as short tandem repeat screening, where applicable.

- D5238 WholeCancer™ Panel
- D5239 WholeCardiology™ Panel
- D5240 WholeAtaxia™ Panel
- D5241 WholeMuscularDystrophy™ Panel

#### FOR INTERNAL USE ONLY

Date Rec'd	Rec'd
TEMP	SPEC
COL	#TUBES
VOL	R/C/F
R/C/F	R/C/F
R/C/F	R/C/F

**INSURANCE BILLING (Include a copy of both sides of insurance card)**

<input type="text"/>	<input type="text"/>
Insurance Carrier	Insurance ID
<input type="text"/>	<input type="text" value="MM/DD/YYYY"/>
Policy Holder Name	Policy Holder DOB
Policy Holder Relationship to Patient: <input type="radio"/> Self <input type="radio"/> Parent <input type="radio"/> Spouse <input type="radio"/> Other: _____	

**Benefit Investigation and Out-of-Pocket Cost Policy**

PerkinElmer will contact the patient for any estimated out-of-pocket costs that are greater than \$100 USD before proceeding with testing. The patient's sample will be placed on hold (for up to 30 days) until authorization to proceed is received from the patient. If the patient does not respond to PerkinElmer within 30 days to discuss estimated out-of-pocket costs, the test order may be cancelled. Please note that failure by the patient to respond to PerkinElmer in a timely fashion regarding estimated out-of-pocket costs may cause a delay in the receipt of the results report.

**Patient Billing Acknowledgement:**

By signing this form, I certify that the insurance information that I have provided is accurate, complete and current and that no other coverage or insurance exists. I hereby authorize PerkinElmer Genetics, Inc. ("PerkinElmer") to bill my designated insurance carrier(s) and share health information as needed for the purposes of billing and reimbursement, and I request that payment of authorized benefits be made on my behalf to PerkinElmer for any services furnished the patient listed above by PerkinElmer. If any insurance benefits are remitted to me for services performed by PerkinElmer for the patient, I will forward said benefits to PerkinElmer. I authorize PerkinElmer to file an appeal on my behalf for any denial of payment and/or adverse benefit determination related to services and care provided. I agree to pay all charges for services provided by PerkinElmer to the patient which are not covered by my health insurance plan or which I am responsible for payment under my health insurance plan. Furthermore, I grant PerkinElmer permission to share health information with my insurance as needed for the purposes of billing and reimbursement.

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Please note: STAT test codes are not billable to insurance.**

**INSTITUTIONAL BILLING**

<input type="text"/>	<input type="text"/>
Institution/Organization Name	PerkinElmer Genomics Billing Account ID
<input type="text"/>	<input type="text"/>
Contact Name	Contact Phone

**PATIENT (SELF) PAYMENT**

By providing payment information, you are authorizing PerkinElmer to process payment at the associated charge for tests ordered. Test cost may be confirmed by calling 877-475-4436. Payment is required prior to test initiation. The patient's sample will be placed on hold (for up to 30 days) until payment is secured. If the patient does not provide payment to PerkinElmer within 30 days, the test order may be canceled. Please note that failure by the patient to respond in a timely fashion to PerkinElmer's attempts to obtain payment may cause a delay in the receipt of the results report.

**CHECK:** \$ \_\_\_\_\_ Amount Enclosed (Please make checks payable to: PerkinElmer Genetics, Inc.)

**CREDIT CARD** (Please fill out all information):

<input type="text"/>	<input type="text" value="MM/YY"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Credit Card Number	Card Exp. Date	CVV	Cardholder Printed Name as Appears on Card	Amount
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Credit Card Billing Street Address	City / Town	State	Zip Code	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Cardholder Signature	Cardholder Phone			

**CONTACT PATIENT FOR PAYMENT INFORMATION**

<input type="text"/>	<input type="text"/>
Mobile Phone	Home Phone
<input type="text"/>	
Email Address	

Detailed medical records, clinical summary, pictures, and family history must be attached for all cases if you would like a phenotypically driven report.  
Such information is crucial for the accurate interpretation of results.

## ADDITIONAL OPTIONAL PHENOTYPE / PATIENT HISTORY SECTION (Check all that apply)

Clinical diagnosis: \_\_\_\_\_

Age of manifestation: \_\_\_\_\_ ICD-10 Codes: \_\_\_\_\_

<p><b>A. NEUROLOGY</b></p> <p><b>1. Behavioral abnormality</b></p> <p><input type="radio"/> 1.1 Autism</p> <p><input type="radio"/> 1.2 Attention deficit disorder</p> <p><input type="radio"/> 1.3 Psychiatric diseases</p> <p><b>2. Brain imaging</b></p> <p><input type="radio"/> 2.1 Abnormal myelination</p> <p><input type="radio"/> 2.2 Abnormal cortical gyration</p> <p><input type="radio"/> 2.3 Agenesis of corpus callosum</p> <p><input type="radio"/> 2.4 Brain atrophy</p> <p><input type="radio"/> 2.5 Cerebellar hypoplasia</p> <p><input type="radio"/> 2.6 Heterotopia</p> <p><input type="radio"/> 2.7 Holoprosencephaly</p> <p><input type="radio"/> 2.8 Hydrocephalus</p> <p><input type="radio"/> 2.9 Leukodystrophy</p> <p><input type="radio"/> 2.10 Lissencephaly</p> <p><b>3. Developmental delay</b></p> <p><input type="radio"/> 3.1 Delayed motor development</p> <p><input type="radio"/> 3.2 Delayed language development</p> <p><input type="radio"/> 3.3 Developmental regression</p> <p><input type="radio"/> 3.4 Intellectual disability</p> <p><b>4. Movement abnormality</b></p> <p><input type="radio"/> 4.1 Ataxia</p> <p><input type="radio"/> 4.2 Chorea</p> <p><input type="radio"/> 4.3 Dystonia</p> <p><input type="radio"/> 4.4 Parkinsonism</p> <p><b>5. Neuromuscular abnormality</b></p> <p><input type="radio"/> 5.1 Muscular hypotonia</p> <p><input type="radio"/> 5.2 Muscular hypertonia</p> <p><input type="radio"/> 5.3 Hyperreflexia</p> <p><input type="radio"/> 5.4 Spasticity</p> <p><b>6. Seizures</b></p> <p><input type="radio"/> 6.1 Febrile seizures</p> <p><input type="radio"/> 6.2 Focal seizures</p> <p><input type="radio"/> 6.3 Generalized seizures</p> <p><b>7. Others</b></p> <p><input type="radio"/> 7.1 Craniosynostosis</p> <p><input type="radio"/> 7.2 Dementia</p> <p><input type="radio"/> 7.3 Encephalopathy</p> <p><input type="radio"/> 7.4 Headache / Migraine</p> <p><input type="radio"/> 7.5 Macrocephaly</p> <p><input type="radio"/> 7.6 Microcephaly</p> <p><input type="radio"/> 7.7 Neuropathy</p> <p><input type="radio"/> 7.8 Stroke</p>	<p><b>B. METABOLISM</b></p> <p><input type="radio"/> 1. Abnormal creatine kinase</p> <p><input type="radio"/> 2. Decreased plasma carnitine</p> <p><input type="radio"/> 3. Hyperalaninemia</p> <p><input type="radio"/> 4. Hypoglycemia</p> <p><input type="radio"/> 5. Increased CSF lactate</p> <p><input type="radio"/> 6. Increased serum pyruvate</p> <p><input type="radio"/> 7. Ketosis</p> <p><input type="radio"/> 8. Lactic acidosis</p> <p><input type="radio"/> 9. Organic aciduria</p> <p><b>C. EYE</b></p> <p><input type="radio"/> 1. Blepharospasm</p> <p><input type="radio"/> 2. Cataract</p> <p><input type="radio"/> 3. Coloboma</p> <p><input type="radio"/> 4. Glaucoma</p> <p><input type="radio"/> 5. Microphthalmos</p> <p><input type="radio"/> 6. Nystagmus</p> <p><input type="radio"/> 7. Ophthalmoplegia</p> <p><input type="radio"/> 8. Optic atrophy</p> <p><input type="radio"/> 9. Ptosis</p> <p><input type="radio"/> 10. Retinitis pigmentosa</p> <p><input type="radio"/> 11. Retinoblastoma</p> <p><input type="radio"/> 12. Strabismus</p> <p><input type="radio"/> 13. Visual impairment</p> <p><b>D. MOUTH, THROAT AND EAR</b></p> <p><input type="radio"/> 1. Abnormality of dental color</p> <p><input type="radio"/> 2. Cleft lip / palate</p> <p><input type="radio"/> 3. Conductive hearing impair.</p> <p><input type="radio"/> 4. External ear malformation</p> <p><input type="radio"/> 5. Hypodontia</p> <p><input type="radio"/> 6. Sensoneural hearing impair.</p> <p><b>E. SKIN, INTEGUMENT AND SKELETAL</b></p> <p><b>1. Skeletal</b></p> <p><input type="radio"/> 1.1 Abnormal limb morphology</p> <p><input type="radio"/> 1.2 Abnormal skeletal system</p> <p><input type="radio"/> 1.3 Abnormal vertebral column</p> <p><input type="radio"/> 1.4 Joint hypermobility</p> <p><input type="radio"/> 1.5 Multiple joint contractures</p> <p><input type="radio"/> 1.6 Polydactyly</p> <p><input type="radio"/> 1.7 Scoliosis</p> <p><input type="radio"/> 1.8 Syndactyly</p> <p><input type="radio"/> 1.9 Talipes equinovarus</p>	<p><b>2. Skin and integument</b></p> <p><input type="radio"/> 2.1 Abnormal skin pigmentation</p> <p><input type="radio"/> 2.2 Abnormal hair</p> <p><input type="radio"/> 2.3 Abnormal nail</p> <p><input type="radio"/> 2.4 Hyperextensible skin</p> <p><input type="radio"/> 2.5 Ichthyosis</p> <p><b>F. CARDIOVASCULAR</b></p> <p><input type="radio"/> 1. Angioedema</p> <p><input type="radio"/> 2. Aortic dilatation</p> <p><input type="radio"/> 3. Arrhythmia</p> <p><input type="radio"/> 4. Coarctation of aorta</p> <p><input type="radio"/> 5. Defect of atrial septum</p> <p><input type="radio"/> 6. Defect of ventricular septum</p> <p><input type="radio"/> 7. Dilated cardiomyopathy</p> <p><input type="radio"/> 8. Hypertension</p> <p><input type="radio"/> 9. Hypertrophic cardiomyopathy</p> <p><input type="radio"/> 10. Hypotension</p> <p><input type="radio"/> 11. Lymphedema</p> <p><input type="radio"/> 12. Malf. of heart and great vessels</p> <p><input type="radio"/> 13. Myocardial infarction</p> <p><input type="radio"/> 14. Stroke</p> <p><input type="radio"/> 15. Tetralogy of Fallot</p> <p><input type="radio"/> 16. Vasculitis</p> <p><b>G. GASTROINTESTINAL, GENITOURINARY, ENDOCRINE</b></p> <p><b>1. Gastrointestinal</b></p> <p><input type="radio"/> 1.1 Aganglionic megacolon</p> <p><input type="radio"/> 1.2 Constipation</p> <p><input type="radio"/> 1.3 Diarrhea</p> <p><input type="radio"/> 1.4 High hepatic transaminases</p> <p><input type="radio"/> 1.5 Gastroschisis</p> <p><input type="radio"/> 1.6 Hepatic failure</p> <p><input type="radio"/> 1.7 Hepatomegaly</p> <p><input type="radio"/> 1.8 Obesity</p> <p><input type="radio"/> 1.9 Pyloric stenosis</p> <p><input type="radio"/> 1.10 Vomiting</p> <p><b>2. Genitourinary</b></p> <p><input type="radio"/> 2.1 Abnormal renal morphology</p> <p><input type="radio"/> 2.2 Abnormal urinary system</p> <p><input type="radio"/> 2.3 Hydronephrosis</p> <p><input type="radio"/> 2.4 Renal agenesis</p> <p><input type="radio"/> 2.5 Renal cyst</p> <p><input type="radio"/> 2.6 Renal tubular dysfunction</p>	<p><b>3. Endocrine</b></p> <p><input type="radio"/> 3.1 Diabetes mellitus</p> <p><input type="radio"/> 3.2 Hypo / hyperparathyroidism</p> <p><input type="radio"/> 3.3 Hypo / hyperthyroidism</p> <p><b>H. REPRODUCTION</b></p> <p><input type="radio"/> 1. Abnormal external genitalia</p> <p><input type="radio"/> 2. Abnormal internal genitalia</p> <p><input type="radio"/> 3. Hypogonadism</p> <p><input type="radio"/> 4. Hypospadias</p> <p><input type="radio"/> 5. Infertility</p> <p><b>I. ONCOLOGY</b></p> <p><input type="radio"/> 1. Adenomatous polyposis</p> <p><input type="radio"/> 2. Breast carcinoma</p> <p><input type="radio"/> 3. Colorectal carcinoma</p> <p><input type="radio"/> 4. Leukemia</p> <p><input type="radio"/> 5. Myelofibrosis</p> <p><input type="radio"/> 6. Neoplasm of the lung</p> <p><input type="radio"/> 7. Neoplasm of the skin</p> <p><input type="radio"/> 8. Paraganglioma</p> <p><input type="radio"/> 9. Pheochromocytoma</p> <p><b>J. HEMATOLOGY AND IMMUNOLOGY</b></p> <p><input type="radio"/> 1. Abnormality of coagulation</p> <p><input type="radio"/> 2. Anemia</p> <p><input type="radio"/> 3. Immunodeficiency</p> <p><input type="radio"/> 4. Neutropenia</p> <p><input type="radio"/> 5. Pancytopenia</p> <p><input type="radio"/> 6. Abnormal hemoglobin</p> <p><input type="radio"/> 7. Splenomegaly</p> <p><input type="radio"/> 8. Thrombocytopenia</p> <p><b>K. PRENATAL AND DEVELOPMENT</b></p> <p><input type="radio"/> 1. Dysmorphic facial features</p> <p><input type="radio"/> 2. Failure to thrive</p> <p><input type="radio"/> 3. Hemihypertrophy</p> <p><input type="radio"/> 4. Hydrops fetalis</p> <p><input type="radio"/> 5. IUGR</p> <p><input type="radio"/> 6. Oligohydramnios</p> <p><input type="radio"/> 7. Overgrowth</p> <p><input type="radio"/> 8. Polyhydramnios</p> <p><input type="radio"/> 9. Premature birth</p> <p><input type="radio"/> 10. Short stature</p> <p><input type="radio"/> 11. Tall stature</p>
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**OTHER:** \_\_\_\_\_

PerkinElmer Genetics, Inc., (“PerkinElmer”) requires a completed Patient’s Informed Consent Form (ICF) for testing to be performed. The ICF must be completed by the patient, or a legally authorized representative of the patient (or by the healthcare provider where permitted under applicable law or regulation). For any patient below the age of majority, the ICF must be completed by the patient’s legally authorized representative.

The purpose of this ICF is to provide you with a description of the Test ordered, known risks and benefits of the Test, anonymization of personal health information (“PHI”), sample and data retention, research opportunities, and the reporting of secondary findings, if applicable. Given the complexity of the type of the Test, it is recommended that you and/or your child receive genetic counseling by a trained genetics professional before and after the testing is performed.

## TEST INFORMATION

Your healthcare provider (“HCP”) has recommended that you, or your child, receive enzymatic, biochemical or molecular genetics clinical testing (“Test”) indicated on the submitted Test Requisition Form (“Requisition”). For more information on the reasons your HCP has ordered the Test, and the disorders your HCP is having you tested for, please consult with your HCP. You are free to decide if you want this Test performed or not. Providing a Sample and undergoing the Test is voluntary and you may withdraw your consent without penalty at any time.

**Enzyme/Biomarker Test:** This type of test measures the presence or absence of enzymes/biomarkers and/or their level of activity in an individual. Only the enzymes/biomarkers identified on the requisition will be tested. Results from this type of Test may indicate the presence of a specific condition or conditions, and follow-up confirmatory testing may be recommended.

**Genetic/Genomic Test:** This type of Test analyzes one or more segments of your DNA depending on the assay requested. This Test is used to identify what, if any, DNA variant(s) you or your child is carrying which is causing the specific disease or condition you are being tested for. Identifying the mutation may be useful for diagnostic and treatment purposes, and allows at-risk family members to be tested. Only the genes identified on the Requisition will be analyzed. In some cases, we may not be able to determine with certainty which gene is actually causing the disease.

## TEST METHOD

If you consent to the Test, your HCP will take a sample of your and/or your child’s blood, saliva, body fluid, tissue or other sample type. Your Sample will be sent to PerkinElmer’s laboratories in the United States for the Test; the majority of testing will be performed at our laboratory headquarters in Pittsburgh, PA.

Under some circumstances, including inadequate or poor quality sample, an additional Sample may be required for Tests to be performed.

## TEST RESULTS

Your treating HCP has sole responsibility for all decisions concerning the possible management of your diagnosis and disease; PerkinElmer will not provide a diagnosis. PerkinElmer will report Test results only to your HCP via secure email, a secure internet portal, or fax. Your HCP is responsible for communicating with you regarding the results of the Test and may refer you or your child to a specialist for further clinical evaluation and confirmation of diagnosis, if applicable. Possible results for Genetic/Genomic Tests include:

- Positive:** A positive genetic test result may indicate that you are a carrier of, predisposed to, or have the specific disease or condition being tested for. A positive genetic test may limit your access to health insurance or life assurance coverage; for example, a life insurance company might ask you to provide genetic information indicating a disorder if this information is available to you.
- Negative:** A negative result indicates that no disease-causing variant was identified in the Test performed. No Test can rule out all genetic diseases or conditions. A negative result does not guarantee that you are free from genetic disorders or other medical conditions.
- Inconclusive/Variant of Uncertain Significance:** A variant of uncertain significance (VOUS) result indicates that a DNA change was detected, but it is currently unknown if the variant is associated with a genetic disorder. A VOUS is not the same as a positive result and does not clarify whether there is an increased risk to develop a genetic disorder. The variant could be a benign change or it could be indicative of disease/disease-causing.
- Unexpected Results:** In rare instances, this Test may reveal an important genetic change that is not directly related to the reason for ordering this test. This information would be disclosed to your HCP if it potentially impacts medical care, and you have consented to receive this type of result

## TEST REPORT

Reported disease-causing variants are described as pathogenic variant(s), likely pathogenic variant(s), or variant(s) of uncertain significance in genes interpreted to be responsible for, or potentially contributing to, a disease or condition. In addition, variants in genes not known to be associated with disease but for which there is evidence to suggest an association with disease may also be reported. For testing performed on prenatal samples or for screening of apparently healthy individuals, only variants classified as pathogenic or likely pathogenic will be reported.

When Whole Exome Sequencing (WES) or Whole Genome Sequencing (WGS) tests are ordered by your HCP, you have the option to receive some findings not directly related to the reason for ordering the Test called “Secondary Findings”. When Secondary Findings are requested, only Pathogenic or Likely Pathogenic findings will be reported, where applicable. Please read the Secondary Findings sections on page 3 and/or 4 of this consent form for more information, and available reporting options. For prenatal samples, secondary findings for the proband are not available.

## INFORMATION ABOUT PARENTAL AND FAMILIAL SAMPLES

In some circumstances, it may be helpful for additional family members to undergo testing in order to provide information that can aid in the interpretation of the WES/WGS test results. These Tests could be part of a TRIO Test or as stand-alone targeted testing. PerkinElmer, in consultation with the HCP, will decide if other family members need to be tested. If the HCP recommends testing for additional family members, only the Test performed will be reported. If undergoing a TRIO WES or WGS test, family members will have the option to receive information about secondary findings either as a part of the proband report or as a standalone parental report. A full analysis of the parental samples for secondary findings will only be completed if standalone reports are selected (for an additional charge). If family members elect to receive information about secondary findings either as part of the proband report or as a standalone report, the family member must sign all applicable sections on page 3 and/or 4 of this form.

## TEST LIMITATIONS

Due to current limitations in technology and incomplete knowledge of diseases and genes, some variants may not be detected by the Test ordered. There is a possibility that the Test result that is uninterpretable or of unknown significance may require further testing when more information is gained. In rare circumstances, Test results may be suggestive of a condition different from that which was originally considered for the purpose of consenting to this Test. The Test may also find variants or genes that lead to conditions for which you currently do not have symptoms or may not be related to your current condition.

## TEST RISKS

Patients and family members may experience anxiety before, during, and/or after testing. Testing multiple family members may reveal that familial relationships are not biologically what they were assumed to be. For example, the Test may indicate non-paternity (the stated father of an individual is not the biological father) or consanguinity (the parents of an individual are closely related by blood). These biological relationships may need to be reported to the HCP who ordered the test.

Taking a blood or tissue sample from you and/or your child may lead to mild pain, bruising, swelling, redness, and a slight risk of infection. Light-headedness, fainting or nausea may occur if your HCP collects blood or tissue samples. These side-effects are typically brief and transient, but you should contact your HCP if you and/or your child require treatment. Under some circumstances an additional sample may be required for Tests to be performed.

A positive test result may limit your access to health insurance or life assurance coverage; for example, a life insurance company might ask you to provide genetic information indicating a disorder if this information is available to you. Please refer to information on the Genetic Information Nondiscrimination Act (GINA) and applicable local laws for more information.

