

Test information is available on our website:

PreventionGenetics.com



All testing must be ordered by a qualified Healthcare Provider

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A completed online order **OR** paper TRF and labeled specimen is required to initiate testing.

WHOLE GENOME SEQUENCING PGnome® TEST REQUISITION

ORDERING CHECKLIST Patient and comparator (if provided) specimely Healthcare Provider Statement (required for specimens collected in NY)	nens	records and	atures Checklist (l d family health hi required for Dia	story (i.e. c	linic notes	s, prior gen		
PERSON COMPLETING FORM	CONTACT (DIREC	T PHONE OR EM	AIL)		DAT	E OF REQUE	ST (MM/D	DD/YYYY)
PA	TIENT INF	ORMATIC	DN					
LAST (FAMILY) NAME	RST NAME			МІ	DATE OF E	BIRTH (MM/D	D/YYYY)	
ADDRESS		CITY		STATE/PR	OVIDENCE	ZIP / POST	AL CODE	
EMAIL PH	IONE NUMBER			GEOANCE	STRY / ETH	NICITY		
	DLOGICAL SEX	emale \square Ot	her, specify karyoty	Ino.				
REASON FOR TEST Diagnosis / Affected Presymptomatic / At Risk Ca HAS PATIENT BEEN TESTED PREVIOUSLY AT PreventionGenetics? No Yes. PG ID#	arrier Testing / L OOD TRANSFUSIC NO Within	Inaffected N last 6 weeks, ir	ONGOING PREGN NO YES	IANCY For	BONE MAI	renatal specime ete the Prenatal RROW TRAN Yes, inclu	Test Requis	ition Form.
RELATIVE'S NAME AND/OR PreventionGenetics ID NUMBER	, 		TH (MM/DD/YYYY)	RELATIONSHI	P TO PATIENT	Ī.		
ICD-10 CODES (REQUIRED FOR INSURANCE BILLING) 7 PRIMARY	2_ SPECIMEN IN	FORMATION		3				
☐ Whole Blood ☐ Extracted DNA, Whole Blood If n	to collection date is p	rovided, date of rece	ipt will be used.	Include Ne Statement	ew York State 0 t and New York al letter if test i	TED IN NEW Genetic Testing c State Non-Per is not NY state a ebsite.	Healthcare I mitted Labo	Provider oratory Test
STANDARD DIAGNOSTIC PGnome	IENT TES				COM	IMENTS OR		
PATIENT ONLY Test Code 7000 FAMILY DUO Test Code 8000 TRIO Test Code 8001 OTHER Specify	Details can be Options for rep OPT IN: TRIO (WITH OPT IN:	orting of Seconda GUIDELINE REC PARENTS) ON PG DISCOVERY	ome Healthcare Pro ary Findings are to b COMMENDED GE LY	De marked b ENES	nent. SPE	CIAL INSTRU	CTIONS:	
Complete a Comparator Test Requisition form for each family member Clinical information is REQUIRED for each comparator for accurate interpretation. Include family/comparator demographics (name, DOB ID#, and relationship) on the proband report.	Details can be Marking one of USD to your or OPT IN:	found in the PGxo r both of the optic der.	ome Healthcare Pro ons below will add a POSITIONS / DIAC	vider Staten n additional	\$590 Re-a with selec	RE-ANA nalysis will be original seccetions unless	e complet ndary find otherwise	ding e
RAPID DIAGNOSTIC PGnome PATIENT ONLY Test Code 14000 FAMILY - DUO, TRIO, ETC Codes Duo-14001/Trio-14002 Complete a Comparator Test Requisition form for each family member Clinical information is REQUIRED for each comparator for accurate	☐ Include f ID#, and r.	amily/compara	ABLE FOR RAPID PO tor demographic n the proband re	s (name, D	OOB, findi analy may our v	ified. Change ng opt ins or ysis (addition result in add website for fu : Code	structure al compai itional cha Il re-analy	of the rators) arges. See rsis policy.
HEALTH SCREEN PGnome		DDITIONAL) FIND			(cho	ired second	dary find left)	dings
PATIENT ONLY Test Code 9000 Includes carrier status.	Options for rep	oorting of Seconda GUIDELINE REC	ome Healthcare Pro ary Findings are to b COMMENDED GE POSITIONS / DIA	e marked b ENES				
ADDITIONAL COMPAR	ATORS c	omplete for F	PGxome Famil	v Duo or	Trio orde	ers		
Please submit a separate completed diagnostic or health screen to		request a full a		nparator d	ata for an a		_	
							NO	YES iical info.

PreventionGenetics LLC, a wholly owned subsidiary of Exact Sciences Corporation.

>> PAGE 1 of 5



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PreventionGenetics.com

PREVENTIONGENETICS USE ONLY

	PATIENT	
LAST NAME		
FIRST NAME		MI

PROVIDER / LABORATORY CONTACT AND REPORTING

Our preferred method of report transmission is uploading to our secure web portal, myPrevent. Please provide an email address, when possible. If you have additional specific reporting requests, indicate them BELOW. **PROVIDER INFORMATION** INSTITUTION ADDRESS STATE REQUESTING PHYSICIAN (First, Last, Degree) REQUESTING GENETIC COUNSELOR OR ALLIED PROVIDER (First Last Degree) **EMAIL ADDRESS** (For report access via myPrevent) EMAIL ADDRESS (For report access via myPrevent) PHONE NUMBER NPI# PHONE NUMBER NPI# IF YOU REQUIRE REPORTS TO BE TRANSMITTED VIA ANOTHER SECURE METHOD, SPECIFY HERE. As the ordering Healthcare Provider, I certify that: (1) I have obtained the patient's informed consent and family member's informed consent (as applicable) to perform this test as documented on a signed consent form that complies with applicable law and is consistent, in all material respects, with PreventionGenetics' Informed Consent form (available at https://assets.preventiongenetics.com/documents/patient-informed-consent.pdf), which I will maintain on file and make available to PreventionGenetics upon request; (2) The patient and their family member (as applicable) have been appropriately counseled and understand the risks, benefits, and limitations of this genetic testing and the implications of the results; and (3) I have received the patient's and family member's (as applicable) consent for PreventionGenetics to use and disclose information, test results, and sample as described in the consent form. **SEND OUT LABORATORY COMPLETE ONLY IF REPORT IS NEEDED** INSTITUTION / CONTACT ADDRESS CITY STATE ZIP PHONE NUMBER NPI# (where applicable) **EMAIL ADDRESS** (For report access via myPrevent) IF YOU REQUIRE REPORTS TO BE TRANSMITTED VIA ANOTHER SECURE METHOD, SPECIFY HERE. ADDITIONAL ACCESS TO REPORTS List additional Healthcare Providers and their emails to allow access to reports **INSTITUTION BILLING** PATIENT TESTING WILL PROCEED WHEN ALL BILLING INFORMATION HAS BEEN RECEIVED. IF INSTITUTIONAL BILLING IS SELECTED, PAGE 3 IS NOT REQUIRED.

information above Places provide PO number below if applicable

Send invoice to the contact information above. Please provide	PO number below it applicable.				
BILLING INSTITUTION			PO NUMBER		
CONTACT	PHONE NUMBER	EMAIL			
ADDRESS	СІТУ	STATE	ZIP		
BILLING ACCOUNT NUMBER UPDATED INFO	ACCESS TO TEST REPORT(S) FOR BILLING				
	EMAIL ADDRESS				
EMAIL INVOICE VIA SECURE EMAIL (provide email address	(For report access via myPrevent)				
	OTHER (specify)				



PREVENTIONGENETICS USE ONLY

	PATIENT	
LAST NAME		
FIRST NAME		MI

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COMPLETE THIS FORM FOR PATIENT PAY AND/OR INSURANCE BILLING

PATIENT TESTING WILL PROCEED WHEN ALL BILLING INFORMATION HAS BEEN RECEIVED.

	** -	HIS SECTION M	UST BE	FILLED OUT COMPLETE	LY **	
RESPONSIBLE PARTY'S	NAME (MUST BE 18 YEA				PHONE NUMBE	R
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	SI	GNATURE REQUIRE	ED BELO	W TO PROCEED WITH TEST	TING.	
If applicable, I author genetic tests results, services rendered. I u customary rate limits full by my insurer, c insurance claim issue	ize PreventionGenetics to to my health plan / insura nderstand my Health Pla s, benefit exclusions, cove o-payments, and policy o	o release information receive ance carrier and its Authoriz an / Insurance / Medicare / M trage limits, lack of authoriza deductibles except where m	ed including ed Represer ledicaid carr ation, medica y liability is li	DR ALL FEES ASSOCIATED WITH without limitation, medical information, statives. I further authorize insurance payr er may not approve and reimburse my mal necessity or otherwise. I understand I amited by contract or State and Federal lay in Genetics may contact me to resolve any	which includes laborate ments directly to Prever edical genetic services am financially respons w. I agree to help Prever	ry test results, such as tionGenetics for the in full due to usual and ible for fees not paid in itionGenetics resolve any
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PRIVATE	TRICARE include sig	• •		CARE include signed ABN form		in-network Medicaid plans.
POLICY HOLDER NAME				DATE OF BIRTH (MM/DD/YYYY)	RELATIONSHIP T	O PATIENT
PRIMARY INSURANCE CO	OMPANY NAME (REQUI	RED)			PHONE NUMBER	
POLICY ID#		GROUP #		AUTHORIZATION # Attach copy of auti	horization, PreventionGenetic	s must be listed as servicing provider.
SECONDARY INSURANCE	E 🗌 Attach a copy of I	nsurance Card (both sides))			
TESTING WILL	PROCEED UNLESS	5:				
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NOTE: Prenatal C	ıvıA, re-anaiysis, and	a ceil cultures cannot b	e cancele	d once a sample is received. Testi	ng placed on hold	wiii exteria overali IAI.



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THIS FORM MUST ACCOMPANY ALL SPECIMENS

PGnome® - Whole Genome Sequencing

HEALTHCARE PROVIDER STATEMENT

This statement is required for patient specimens collected in NY and recommended for others, and applies to Whole Genome Sequencing.

PA	ATIENT INFORMATIO	N		
LAST (FAMILY) NAME	FIRST NAME		МІ	DATE OF BIRTH (MM/DD/YYYY)
	FAMILY MEMBERS			
If a Family (duo, trio, etc.) is being tested, please pro	vide family member inform	nation:		
FAMILY MEMBER'S NAME				RELATIONSHIP
FAMILY MEMBER'S NAME				RELATIONSHIP
FAMILY MEMBER'S NAME				RELATIONSHIP
HEALTHCARE PROVIDER SIGNATURE	PRINTED NAME			DATE
Retention of Unused DNA Statement for New PreventionGenetics' general policy is to retain all e additional testing in the future and saves considerab DNA specimens can also be used for quality contro conditions I was tested for, and any related diseases of approval by an Institutional Review Board or as other in order to retain excess DNA beyond 60 days. If patier be discarded 30 days after testing is completed. I authorize PreventionGenetics to retain unused DN	excess DNA from patient test tole phlebotomy and shipping of measures or for research or or conditions, which may inclu- tivise permitted under applic ant specimen was collected in	g costs to the pa on genetic varia Ide further testin able law. New Yo NY and this stat	atient and ants assoc ng of my re ork (NY) la ement is r	healthcare system. Excess iated with the diseases or etained samples, subject to w requires patient consent

The following information should be used as a guide to provide informed consent to the patient and/or patient's family. Testing must be ordered by a qualified Healthcare Provider.

PURPOSE

- **Diagnostic PGnome:** The purpose of this test is to find the underlying genetic cause for the patient's health condition using Whole Genome Sequencing (WGS).
- using Whole Genome Sequencing (WGS).

 Health Screen PGnome: The purpose of this test is to provide pan-ethnic carrier screening using a Whole Genome Sequencing (WGS) test. Variants in any gene that relate to an autosomal recessive or X-linked recessive disorder (in females) would be reported (regardless of the incidence of the condition). In addition, patients have the option of also receiving genetic variants that predispose to autosomal or X-linked dominant disorders or X-linked recessive disorders (in males).

ABOUT PGNOME TEST

• This test involves the sequencing of thousands of genes at the same time, whereas many other genetic tests look at only one gene or a small group of genes. The way we perform the genome test is through a procedure called

- Next Generation Sequencing (NGS). We confirm important results with another type of sequencing called Sanger sequencing. Copy number variants (CNVs), also known as deletions/duplications, and are detected from NGS data. Most reported CNVs are confirmed using another technology such as aCGH, MLPA, or PCR.
- We will need about one teaspoon of blood (3-5 ml of whole blood or DNA extracted from blood) from each individual to perform testing. In rare instances, a second specimen may be requested.
- Results of the test will be presented in an individualized, written report transmitted to the patient's Healthcare Provider(s)
- For additional information about this test, see the PGnome test description on the PreventionGenetics website (https:// www.preventiongenetics.com/ClinicalTesting/TestCategory/ PGnome.php).

FAMILY TESTING

(Diagnostic PGnome Only)

• Testing of family members is very helpful for interpretation of results. When possible, testing of the patient and two other family members (called a trio), preferably biological

- parents, should be performed. If one or both biological parents are unavailable, sometimes siblings or other close relatives can be tested. Family testing increases the chance of getting a conclusive result.
- It is very important family genetic relationships are correctly stated because issues such as an undisclosed adoption or uncertain paternity can cause confusion. If you are aware of any such issues in the family, they should be discussed confidentially with your Genetic Counselor or Ordering
- Family member information (i.e. parental genotype information) helps us interpret the patient's results and will be included in the patient's report. All sequence variants reported will include parental status. While large CNVs identified in the proband may include parental inheritance information, confirmation using an additional method will not be performed on parental specimens. If parental status for variants in the patient's report is not desired (for primary and/or secondary findings), please make note of this under "Patient Test Selection".
- · If family member(s) tested as part of PGnome Family desire their own PGnome analysis and test report, their healthcare

(continued to page 9)



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provider should complete a PGnome Diagnostic or PGnome Health Screen test requisition form. Full PGnome reports for family member(s) incur an additional charge per family member

REPORT INFORMATION

- Diagnostic PGnome:
 Testing searches for variants in both the nuclear and mitochondrial genome.
 - o Genetic variants are defined as the differences between the patient's DNA and the human reference DNA. Generally only results that may explain the patient's clinical features will be reported... o Expansions in C9orf72, ATXN2, PABPN1, PHOX2B and
 - FMRI can be detected by PGnome. These findings will be reported if relevant to the described phenotype or with certain secondary finding selections
 - o In genes believed to be associated or possibly associated with the patient's clinical features, all Pathogenic, Likely Pathogenic, and Variants of Uncertain Significance (unknown if they cause disease) will be reported.

Health Screen PGnome:

- o Testing will only include analysis of variants located in the nuclear genome.'
- o Pathogenic and Likely Pathogenic sequence variants (Richards et al. 2015 Genet Med 17:405-424) within genes currently known to be clinically relevant for carrier status in autosomal recessive disorders or X-linked recessive disorders (in females) will be reported. Variants in genes not currently known to
- be clinically relevant will not be reported. o Some individuals may have two Pathogenic or Likely Pathogenic genetic variants (compound heterozygous or homozygous) in a gene that causes an autosomal recessive disorder. Even if the patient may not be obviously affected by the disorder, this finding could lead to a diagnosis. If identified this information will be included in the patient's test report as it also indicates a positive carrier status.
- o The patient will very likely have many recessive Variants of Uncertain Significance. These variants will not be included in the report, but the laboratory will retain this data.
- Other findings (aka "Secondary Findings" see below) may be reported depending on the patient's preferences. These Secondary Findings may have an important impact on health
- · New research results are continually improving the ability to interpret the WGS results. An ordering Healthcare Provider can request a re-interpretation from us.

ISSUING THE REPORT

- · Results will be sent directly to the ordering Healthcare
- Provider(s) and NOT to the patient.

 Genetic counseling and/or clinical genetics consultation before and after testing is recommended.
- Patients have the right to receive a copy of their test report. They may obtain a copy from their Healthcare Provider(s) or if a signed patient authorization (form available upon request) is received, from PreventionGenetics.

SECONDARY FINDINGS

- In many patients, WGS will reveal one or more additional genetic variants which could be important to the patient's health. These include for example variants predisposing the patient to cancer or heart disease, or variants relevant to reproductive planning. These are termed secondary findings. The patient may or may not wish to be informed
- of secondary findings.

 Secondary findings are not available for Rapid PGnome.
- Carrier Status is always reported for Health Screen PGnome. The patient will have a choice about what other secondary findings are reported.
- For Standard Diagnostic PGnome the patient and/ or patient's family will have a choice on which types of secondary findings are reported.
- Please consider the following carefully. Variants described in these sections will only be reported if the patient OPTS IN.

SECONDARY FINDINGS NO CHARGE OPT INS

o **Guideline Recommended Genes:** The American College of Medical Genetics and Genomics recommends all labs performing WGS report pathogenic variants in specific genes that cause certain, mostly dominantly inherited disorders (Version 3.3, Lee et al. 2025, PubMed ID 40568962). These disorders are treatable and/or preventable. Included on this list are some cancer predisposition conditions, heart conditions associated with sudden death, and conditions that could result in severe health consequences if surgery is performed with certain anesthetics.

 PG Discovery (candidate genes, available for diagnostic PGnome trios with proband and biological parents only): WGS provides the opportunity to identify rare variants in candidate genes for which there is limited available evidence. Relevant rare homozygous, hemizygous, compound heterozygous, and/or de novo variants are reported. These genes and variants reported within them will be classified as uncertain significance, and the variants will not be confirmed by a second method. Any literature, such as limited animal studies, etc., is referenced where available. Further research is required to understand if any human disease association exists. PreventionGenetics may reach out to request consent for submission of these variants to research programs and databases like GeneMatcher (https:// genematcher.org/).

ADD ON SECONDARY FINDINGS

(additional charge)

Please consider the following carefully. Variants described in these sections will only be reported if the patient OPTS IN.
 Other Predispositions/Diagnoses: This secondary

finding option refers to a very broad range of disorders beyond the Guideline Recommended Genes. Examples vary widely and include adult onset neurological conditions such as Alzheimer's disease, Parkinson disease, amyotrophic lateral sclerosis (ALS), and small vessel disease, as well as cancer predispositions, and renal conditions, among others. Some of these disorders are very serious, leading to death. While treatment or prevention will be effective for some of these disorders but not others, knowledge of these predispositions may be useful for the patient and their family. (Amendola et al. 2015. Genome Res 25(3):305-315; Dorschner et al. 2013. Am J Hum Genet 93(4):631-640). Some people may want to know about these disorders while others may prefer not to know. If this option is selected, all pathogenic and likely pathogenic variants in genes that are likely to result in a Mendelian (single gene) disorder (i.e., one variant in a dominant gene or X-linked gene or two variants in a recessive gene) will be reported. Individuals will be screened for expansions in C9orf72, FMR1, PABPN1, PHOX2B and ATXN2. Variants in the mitochondrial genome will not be screened in this analysis.

Many of these conditions have adult onset, reviewing professional guidelines before discussing these options with minors and their families is recommended. (Borry et al. 2006 Clin Genet 70(5):374-81; Lucassen et al. 2010 British Society for Human Genetics; Fallat et al. 2013 Pediatrics 131(3): 620–2; NSGC Position Statement 2017. For minors, predictive testing should be postponed until they have reached an age capable of true informed consent (ability to understand the risks, benefits, and implications of results). Consideration of testing in minors should ideally include genetic counseling, the parents, and assent of the child.

- o Carrier Status (included n/c in Health Screen orders): WGS can also provide panethnic carrier screening. For carrier status, variants in any gene that relate to an autosomal recessive or X-linked recessive disorder (in females) would be reported if this option is selected (regardless of the incidence of the condition). Such single recessive, pathogenic variants usually don't appreciably affect a patient's health, but may be useful in reproductive planning. In accordance with current professional guidelines (Borry et al. 2006. Eur J Hum Genet 14(2):133-8; NSGC Position Statement 2012; Ross et al. 2013 Genet Med 15(3):234-245). For minors, predictive testing should be postponed until they have reached an age capable of true informed consent (ability to understand the risks, benefits, and implications of results). Consideration of testing in minors should ideally include genetic counseling, the parents, and assent of the child.
- · Genetic variants related to complex disease, will not be reported at this time.
- Genetic variants in genes not currently known to be clinically
- relevant will not be reported with this add-on analysis.

 If testing reveals the family relationships are not as expected (for example, non-paternity), this information will be relayed to the healthcare provider(s) for discussion, but will not be included in the patient's report.

DATA

- PreventionGenetics will store the patient's sequence data. This will permit reanalysis and reinterpretation of the data in the future. Upon a physician's request, PreventionGenetics will perform, without additional charge, one reanalysis and reinterpretation of the data within three years of the date on the original test report. Thereafter, reanalysis and reinterpretation may be requested, but a fee will be charged for this service.
- PreventionGenetics recommends DNA sequence information from this test also be stored in the patient's electronic medical record. This will best benefit the patient and family members. PreventionGenetics will provide WGS data upon request. PreventionGenetics does not supply software for data review and interpretation.

RISKS

- Blood draw risks include bruising and bleeding. There is also a small chance the patient may get an infection, have
- excess bleeding, become dizzy, or faint from the blood draw.
 Learning about test results can be stressful and upsetting.
- ·The patient and/or patient's family may have concerns about genetic discrimination, including health insurance, life insurance, employment and long-term disability. These should be addressed according to federal and state laws. The Federal Genetic Information Non-discrimination Act (GINA) prohibits the use of genetic information for discrimination in health insurance and employment.

- · While WGS captures nearly all regions of the genome, this test primarily reports on most of the coding parts of our genes (called exons). All of the exons together is called the exome. The exome only covers approximately 1.5% of all the genetic material. However, testing the exome covers the vast majority of genetic variants which cause single gene (or Mendelian) disorders.
- Interpretation of the test results is limited by the information currently available. Better interpretation could be possible in the future as more data and knowledge about human
- genetics are accumulated.
 Testing will detect single base pair changes and Structural Variants (SVs), such as small and large deletions or duplications, but we are generally not able to detect or currently analyze and report other types of genetic changes (e.g. blanced translocations, deep intronic variants, methylation abnormalities, or some repetitive sequence changes).
- ·This test will not provide detection of certain genes or specific exons of genes due to complicated technicalities (such as sequence characteristics, interfering pseudogenes, or inadequate coverage). In the case of deletions/ duplications, most will be detected including intragenic CNVs and large cytogenetic events. At this time, SV is limited to deletions larger than 1 kb in size, duplications (no size limit) and inversions. For these SVs, the overall sensitivity during validation was 86%. Sensitivity for ≥1 kb deletions alone is > 95%. Sensitivity may vary from gene-to-gene based on size, depth of coverage, and characteristics of the region. Because of these technicalities, this test is not 100% sensitive and will not identify all disease-causing genetic variants
- Even if a disease-causing genetic variant associated with the patient's symptoms is identified, it may not allow for predictions regarding severity of the disease or prognosis.
- It is very important to provide an accurate family history and clinical information as that information is critical for result interpretation. Detailed clinical information (such as clinical features, a family pedigree, and results of prior testing) is
- required for testing to proceed.

 Additional limitations to this test will be provided in the Supplementary material included with the report.

Confidentiality and patient privacy are taken very seriously. The laboratory is CAP and CLIA certified, and adheres to confidentiality laws related to protected health information.