

Patient Name		Affix barcode label of Patient's sample here
Date of Birth	___ / ___ / ____	

Form instructions

- All tests are performed on a PCR-free DNA sequencing backbone. Specify the testing to be performed on pages 1-2 and sign at the bottom of page 2
- Provide patient's clinical information on page 3
- Provide patient demographics on page 4

Expedited analysis is requested

Comprehensive Analyses: Select when you want to include all genes in the analysis

<input type="radio"/> Genomic Unity® Whole Genome Analysis <input type="radio"/> Singleton <input type="radio"/> Trio (Family) <input type="radio"/> Huntington-related STR analysis: <i>HTT, JPH3</i>	Provides sequence and del/dup analysis of the nuclear genome, sequence and deletion analysis of the mitochondrial genome with heteroplasmy as well as tandem repeat expansion analysis of <i>AFF2, AFF3, AR, ATN1, ATXN1, ATXN2, ATXN3, ATXN7, ATXN8OS, ATXN10, C9ORF72, CACNA1A, CNBP, CSTB, DIP2B, DMPK, FMR1, FXN, NOP56, NOTCH2NLC, PHOX2B, PPP2R2B, TBP, TCF4</i> . Optionally add on tandem repeat expansion analysis of <i>HTT</i> and <i>JPH3</i> . See full test specs: https://www.variantyx.com/whole-genome-analysis .
<input type="radio"/> Genomic Unity® Exome Analysis <input type="radio"/> Singleton <input type="radio"/> Trio (Family) <input type="radio"/> Huntington-related STR analysis: <i>HTT, JPH3</i> To optionally include analysis of the mitochondrial genome, additionally order Genomic Unity® Mitochondrial Genome Analysis.	Provides sequence and del/dup analysis of the exome as well as tandem repeat expansion analysis of <i>AFF2, AFF3, AR, ATN1, ATXN1, ATXN2, ATXN3, ATXN7, ATXN8OS, ATXN10, C9ORF72, CACNA1A, CNBP, CSTB, DIP2B, DMPK, FMR1, FXN, NOP56, NOTCH2NLC, PHOX2B, PPP2R2B, TBP, TCF4</i> . Optionally add on tandem repeat expansion analysis of <i>HTT</i> and <i>JPH3</i> . To optionally include analysis of the mitochondrial genome, additionally order Genomic Unity® Mitochondrial Genome Analysis. See full test specs: https://www.variantyx.com/exome-analysis .
<input type="radio"/> Genomic Unity® Mitochondrial Genome Analysis	Provides sequence and deletion analysis of the mitochondrial genome with heteroplasmy. See full test specs: https://www.variantyx.com/mito-genome-analysis .
<input type="radio"/> Genomic Unity® Constitutional Genome-Wide Copy Number Variant Analysis	Provides constitutional (genome-wide) analysis of copy number variants (CNVs). See full test specs: https://www.variantyx.com/cnv-analysis .

Neurology Targeted Analyses: Select when you want to limit the analysis to a pre-selected list of genes

Ataxia Analyses	<input type="radio"/> Genomic Unity® Comprehensive Ataxia Analysis	Provides sequence and del/dup analysis of 51 genes related to ataxia as well as tandem repeat expansion analysis of <i>ATN1, ATXN1, ATXN2, ATXN3, ATXN7, ATXN8OS, ATXN10, CACNA1A, FXN, NOP56, PPP2R2B, TBP</i> . See full test specs: https://www.variantyx.com/ataxia-analysis .
	<input type="radio"/> Genomic Unity® Ataxia Repeat Expansion Analysis	Provides sequence, del/dup and tandem repeat expansion analysis of ataxia-associated genes <i>ATN1, ATXN1, ATXN2, ATXN3, ATXN7, ATXN8OS, ATXN10, CACNA1A, FXN, NOP56, PPP2R2B, TBP</i> . See full test specs: https://www.variantyx.com/ataxia-repeat-analysis .
	<input type="radio"/> Genomic Unity® CACNA1A Gene Analysis	Provides sequence, del/dup and tandem repeat expansion analysis of the <i>CACNA1A</i> gene associated with certain ataxias and early infantile encephalopathy and . See full test specs: https://www.variantyx.com/cacna1a-analysis .
	<input type="radio"/> Genomic Unity® FXN Gene Analysis	Provides sequence, del/dup and tandem repeat expansion analysis of the <i>FXN</i> gene associated with Friedreich's ataxia. See full test specs: https://www.variantyx.com/fxn-analysis .
Epilepsy Analyses	<input type="radio"/> Genomic Unity® Epilepsy Analysis	Provides sequence and del/dup analysis of genes related to seizures as well as tandem repeat expansion analysis of <i>AFF2, AFF3, CSTB, DIP2B, FMR1</i> . See full test specs: https://www.variantyx.com/epilepsy-analysis .
	<input type="radio"/> Genomic Unity® CSTB Gene Analysis	Provides sequence, del/dup and tandem repeat expansion analysis of the <i>CSTB</i> gene associated with progressive myoclonic epilepsy type 1A. See full test specs: https://www.variantyx.com/cstb-analysis .
ID Analyses	<input type="radio"/> Genomic Unity® Intellectual Disability Analysis	Provides sequence and del/dup analysis of genes related to intellectual disability as well as tandem repeat expansion analysis of <i>AFF2, AFF3, DIP2B, FMR1</i> . See full test specs: https://www.variantyx.com/intellectual-disability-analysis .
	<input type="radio"/> Genomic Unity® MECP2 Gene Analysis	Provides sequence and del/dup analysis of the <i>MECP2</i> gene associated with Rett syndrome, atypical Rett syndrome and/or learning disabilities. See full test specs: https://www.variantyx.com/mecp2-analysis .
Motor Neuron Analyses	<input type="radio"/> Genomic Unity® Motor Neuron Disorders Analysis	Provides sequence and del/dup analysis of genes related to motor neuron disorders as well as tandem repeat expansion analysis of <i>AR, C9ORF72</i> . See full test specs: https://www.variantyx.com/motor-neuron-analysis .
	<input type="radio"/> Genomic Unity® AR Gene Analysis	Provides sequence, del/dup and tandem repeat expansion analysis of the <i>AR</i> gene associated with partial androgen insensitivity syndrome, hypospadias, or spinal and bulbar muscular atrophy. See full test specs: https://www.variantyx.com/ar-analysis .
	<input type="radio"/> Genomic Unity® SMN1/2 Gene Analysis	Provides full sequence and del/dup analysis of the <i>SMN1</i> gene as well as determination of SMN copy number for assessment of severity of spinal muscular atrophy (SMA). See full test specs: https://www.variantyx.com/smn-analysis .
Movement	<input type="radio"/> Genomic Unity® Movement Disorders Analysis <input type="radio"/> Huntington-related STR analysis: <i>HTT, JPH3</i>	Provides sequence and del/dup analysis of genes related to movement disorders as well as tandem repeat expansion analysis of <i>ATN1, ATXN1, ATXN2, ATXN3, ATXN7, ATXN8OS, ATXN10, C9ORF72, CACNA1A, FXN, NOP56, NOTCH2NLC, PPP2R2B, TBP</i> . Optionally add on tandem repeat expansion of <i>HTT</i> and <i>JPH3</i> . See full test specs: https://www.variantyx.com/movement-analysis .

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Neuromuscular Analyses	<input type="radio"/> Genomic Unity® Neuromuscular Disorders Analysis	Provides sequence and del/dup analysis of genes related to neuromuscular disorders as well as tandem repeat expansion analysis of the <i>CNBP</i> and <i>DMPK</i> genes. See full test specs: https://www.variantyx.com/neuromuscular-analysis .
	<input type="radio"/> Genomic Unity® Muscular Dystrophy Analysis	Provides sequence and del/dup analysis of genes related to muscular dystrophies. See full test specs: https://www.variantyx.com/md-analysis .
	<input type="radio"/> Genomic Unity® DMD Gene Analysis	Provides sequence and del/dup analysis of the <i>DMD</i> gene associated with Duchenne and Becker muscular dystrophy. See full test specs: https://www.variantyx.com/dmd-analysis .
	<input type="radio"/> Genomic Unity® Neuropathies Analysis	Provides sequence and del/dup analysis of genes related to neuropathies. See full test specs: https://www.variantyx.com/neuropathies-analysis .
	<input type="radio"/> Genomic Unity® Neurology Analysis <input type="radio"/> Huntington-related STR analysis: <i>HTT</i> , <i>JPH3</i>	This test provides sequence and del/dup analysis of neurology associated genes as well as tandem repeat expansion analysis of <i>AFF2</i> , <i>AFF3</i> , <i>AR</i> , <i>ATN1</i> , <i>ATXN1</i> , <i>ATXN2</i> , <i>ATXN3</i> , <i>ATXN7</i> , <i>ATXN8OS</i> , <i>ATXN10</i> , <i>C9ORF72</i> , <i>CACNA1A</i> , <i>CNBP</i> , <i>CSTB</i> , <i>DIP2B</i> , <i>DMPK</i> , <i>FMR1</i> , <i>FXN</i> , <i>NOP56</i> , <i>NOTCH2NL</i> , <i>PPP2R2B</i> , <i>TBP</i> . Optionally add on tandem repeat expansion analysis of <i>HTT</i> and <i>JPH3</i> . See full test specs : https://www.variantyx.com/neurology-analysis

Additional Targeted Analyses: Select when you want to limit the analysis to a pre-selected list of genes

<input type="radio"/> Genomic Unity® Cardiac Channelopathies Analysis	Provides sequence and del/dup analysis of <i>ANK2</i> , <i>CASQ2</i> , <i>CAV3</i> , <i>KCNE1</i> , <i>KCNE2</i> , <i>KCNH2</i> , <i>KCNJ2</i> , <i>KCNQ1</i> , <i>RYR2</i> , <i>SCN5A</i> genes associated with insufficiency or hyperactivity of cardiac ion channels. See full test specs: https://www.variantyx.com/cardiac-channel-analysis .
<input type="radio"/> Genomic Unity® Endocrinology Analysis	Provides sequence and del/dup analysis of genes associated with endocrinology disorders. See full test specs: https://www.variantyx.com/endocrinology-analysis .
<input type="radio"/> Genomic Unity® Lynch Syndrome Analysis	Provides sequence and del/dup analysis of <i>EPCAM</i> , <i>MLH1</i> , <i>MSH2</i> , <i>MSH6</i> , <i>PMS2</i> genes associated with Lynch syndrome. See full test specs: https://www.variantyx.com/lynch-syndrome-analysis .
<input type="radio"/> Genomic Unity® Mitochondrial Disorders Analysis	Provides sequence and del/dup analysis of nuclear mitochondrial genes and sequence and deletion analysis of the mitochondrial genome with heteroplasmy. See full test specs: https://www.variantyx.com/mitochondrial-analysis .
<input type="radio"/> Genomic Unity® PTEN Gene Analysis	Provides sequence and del/dup analysis of the <i>PTEN</i> gene associated with hamartoma tumor syndrome. See full test specs: https://www.variantyx.com/pten-analysis .

Custom Analysis: Select when you want to specify the genes analyzed

<input type="radio"/> Genomic Unity® Custom Analysis List the gene(s) to be included in the analysis. If more room is required, please attach a separate page: _____ _____ _____ _____	This test provides sequence, del/dup and (when relevant) STR analysis of the specified genes. See the list of genes that can be selected from for the analysis: https://www.variantyx.com/custom-analysis .
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Optional Reflex:

<input type="radio"/> Reflex to Genomic Unity® Whole Genome Analysis	In the event that a targeted analysis is not positive, automatically reflex to Genomic Unity® Whole Genome Analysis. See description in Comprehensive Analyses section at the top of page 1. See full test specs: https://www.variantyx.com/whole-genome-analysis .
<input type="radio"/> Reflex to Genomic Unity® Exome Analysis	In the event that a targeted analysis is not positive, automatically reflex to Genomic Unity® Exome Analysis. See description in Comprehensive Analyses section at the top of page 1. See full test specs: https://www.variantyx.com/exome-analysis .

Healthcare Provider's Statement

By my signature below, I attest that I am the referring physician, an authorized healthcare provider for the patient, or procurator thereof and this testing is medically necessary for diagnosis and/or treatment of the patient. I attest that the patient (or guardian) has been appropriately consented about the test including possible results and outcomes, has been given the opportunity to ask questions about the testing and/ or seek genetic counseling, and agrees to allow an independent genetic counselor facilitated through a third party, DNAVisit, to provide pre-test and/or post-test genetic counseling, if required by the insurer and/or referring institution. I attest that the patient (or guardian) has voluntarily consented to testing performed by Variantyx for diagnostic purposes through both oral and written consent.

Healthcare provider signature Date

Patient Name		Affix barcode label of Patient's sample here
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Please specify the patient's phenotypes using 1° to indicate the most important primary phenotypes and 2° to indicate less important secondary phenotypes. ICD-10 codes must be specified here and/or in attached clinical notes.

Clinical Information			
ICD-10 Code(s)*			
Patient Phenotypes			
	1° 2°	Phenotype	Age of onset
Development/Behavior	<input type="radio"/> <input type="radio"/>	Developmental regression	
	<input type="radio"/> <input type="radio"/>	Global developmental delay	
	<input type="radio"/> <input type="radio"/>	Intellectual disability	
	<input type="radio"/> <input type="radio"/>	Delayed fine motor development	
	<input type="radio"/> <input type="radio"/>	Delayed gross motor development	
	<input type="radio"/> <input type="radio"/>	Delayed speech and language development	
	<input type="radio"/> <input type="radio"/>	Speech articulation difficulties	
	<input type="radio"/> <input type="radio"/>	Autism spectrum disorder	
Brain Anomalies	<input type="radio"/> <input type="radio"/>	Brain atrophy	
	<input type="radio"/> <input type="radio"/>	Cerebellar hypoplasia	
	<input type="radio"/> <input type="radio"/>	Cortical dysplasia	
	<input type="radio"/> <input type="radio"/>	Encephalocele	
	<input type="radio"/> <input type="radio"/>	Holoprosencephaly	
	<input type="radio"/> <input type="radio"/>	Hydrocephalus	
	<input type="radio"/> <input type="radio"/>	Lissencephaly	
	<input type="radio"/> <input type="radio"/>	Molar tooth sign	
Neurological	<input type="radio"/> <input type="radio"/>	Abnormal nerve conduction velocity	
	<input type="radio"/> <input type="radio"/>	Ataxia/Spasticity	
	<input type="radio"/> <input type="radio"/>	Chorea	
	<input type="radio"/> <input type="radio"/>	Dystonia	
	<input type="radio"/> <input type="radio"/>	Foot dorsiflexor weakness	
	<input type="radio"/> <input type="radio"/>	Headache	
	<input type="radio"/> <input type="radio"/>	Neurodegeneration	
	<input type="radio"/> <input type="radio"/>	Motor axonal neuropathy	
	<input type="radio"/> <input type="radio"/>	Pes cavus	
	<input type="radio"/> <input type="radio"/>	Reduced deep tendon reflexes	
	<input type="radio"/> <input type="radio"/>	Seizures	
	<input type="radio"/> <input type="radio"/>	Sleep apnea	
	<input type="radio"/> <input type="radio"/>	Stroke-like episodes	
	<input type="radio"/> <input type="radio"/>	Tremor	
<input type="radio"/> <input type="radio"/>	Vocal cord paresis		
Muscular	<input type="radio"/> <input type="radio"/>	Dysphagia	
	<input type="radio"/> <input type="radio"/>	Exercise intolerance	
	<input type="radio"/> <input type="radio"/>	Hypertonia	
	<input type="radio"/> <input type="radio"/>	Hypotonia	
	<input type="radio"/> <input type="radio"/>	Muscle fasciculations	
	<input type="radio"/> <input type="radio"/>	Muscle wasting	
	<input type="radio"/> <input type="radio"/>	Muscle weakness	
	<input type="radio"/> <input type="radio"/>	Muscular dystrophy	
Metabolic	<input type="radio"/> <input type="radio"/>	Aciduria	
	<input type="radio"/> <input type="radio"/>	Abnormal CPK circulation concentration	
	<input type="radio"/> <input type="radio"/>	Decreased plasma carnitine	
	<input type="radio"/> <input type="radio"/>	Elevated serum alanine aminotransferase	
	<input type="radio"/> <input type="radio"/>	Increased serum pyruvate	
Endocrine	<input type="radio"/> <input type="radio"/>	Adrenal hyperplasia	
	<input type="radio"/> <input type="radio"/>	Adrenal insufficiency	
	<input type="radio"/> <input type="radio"/>	Cushing syndrome	
	<input type="radio"/> <input type="radio"/>	Diabetes Mellitus Type I	
	<input type="radio"/> <input type="radio"/>	Diabetes Mellitus Type II	
	<input type="radio"/> <input type="radio"/>	Hypothyroidism	
	<input type="radio"/> <input type="radio"/>	Hypoparathyroidism	
	<input type="radio"/> <input type="radio"/>	Hypogonadism	
<input type="radio"/> <input type="radio"/>	Paraganglioma		
Constitutional	<input type="radio"/> <input type="radio"/>	Cleft lip	
	<input type="radio"/> <input type="radio"/>	Cleft palate	
	<input type="radio"/> <input type="radio"/>	Syndactyly	
	<input type="radio"/> <input type="radio"/>	Polydactyly	
	<input type="radio"/> <input type="radio"/>	Failure to thrive	
	<input type="radio"/> <input type="radio"/>	Macrocephaly	
	<input type="radio"/> <input type="radio"/>	Microcephaly	
	<input type="radio"/> <input type="radio"/>	Obesity	
	<input type="radio"/> <input type="radio"/>	Short stature	
	<input type="radio"/> <input type="radio"/>	Tall stature	
Ophthalmology/Auditory	<input type="radio"/> <input type="radio"/>	Blindness	
	<input type="radio"/> <input type="radio"/>	Cataracts	
	<input type="radio"/> <input type="radio"/>	Coloboma	
	<input type="radio"/> <input type="radio"/>	External ophthalmoplegia	
	<input type="radio"/> <input type="radio"/>	Optic atrophy	
	<input type="radio"/> <input type="radio"/>	Ptosis	
	<input type="radio"/> <input type="radio"/>	Rod-cone dystrophy	
	<input type="radio"/> <input type="radio"/>	Visual impairment	
	<input type="radio"/> <input type="radio"/>	Aminoglycoside-induced hearing loss	
	<input type="radio"/> <input type="radio"/>	External ear malformation	
Cardiac	<input type="radio"/> <input type="radio"/>	Arrhythmia	
	<input type="radio"/> <input type="radio"/>	Cardiomyopathy	
	<input type="radio"/> <input type="radio"/>	Syncope	
	<input type="radio"/> <input type="radio"/>	Tetralogy of Fallot	
Gastrointestinal	<input type="radio"/> <input type="radio"/>	Abdominal wall defect	
	<input type="radio"/> <input type="radio"/>	Aganglionic megacolon	
	<input type="radio"/> <input type="radio"/>	Constipation	
	<input type="radio"/> <input type="radio"/>	Diarrhea	
	<input type="radio"/> <input type="radio"/>	Elevated hepatic transaminases	
	<input type="radio"/> <input type="radio"/>	Gastroesophageal reflux	
	<input type="radio"/> <input type="radio"/>	Gastroschisis	
	<input type="radio"/> <input type="radio"/>	Omphalocele	
	<input type="radio"/> <input type="radio"/>	Pyloric stenosis	
	<input type="radio"/> <input type="radio"/>	Tracheoesophageal fistula	
Genitourinary	<input type="radio"/> <input type="radio"/>	Abnormal renal morphology	
	<input type="radio"/> <input type="radio"/>	Ambiguous genitalia	
	<input type="radio"/> <input type="radio"/>	Cryptorchidism	
	<input type="radio"/> <input type="radio"/>	Hydronephrosis	
	<input type="radio"/> <input type="radio"/>	Hypospadias	
	<input type="radio"/> <input type="radio"/>	Renal agenesis	
Skeletal	<input type="radio"/> <input type="radio"/>	Abnormal vertebral morphology	
	<input type="radio"/> <input type="radio"/>	Clubfoot	
	<input type="radio"/> <input type="radio"/>	Craniosynostosis	
	<input type="radio"/> <input type="radio"/>	Multiple joint contractures	
Skin	<input type="radio"/> <input type="radio"/>	Abnormality of connective tissue	
	<input type="radio"/> <input type="radio"/>	Abnormality of skin pigmentation	
	<input type="radio"/> <input type="radio"/>	Abnormality of temperature regulation	
Other phenotypes			



DCVXYCRF003R

Genomic Unity®
Test Requisition Form

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Patient Name		Affix barcode label of Patient's sample here
Date of Birth	___ / ___ / ____	

Patient Information					
First Name	Last Name	MI	DOB ___ / ___ / ____	Gender <input type="radio"/> Male <input type="radio"/> Female	
Address			ID / MR#		
City	State	Zip Code	Ethnicity <input type="radio"/> African/African American <input type="radio"/> Latino <input type="radio"/> Ashkenazi Jewish <input type="radio"/> East Asian <input type="radio"/> Other: <input type="radio"/> European <input type="radio"/> South Asian _____		
Phone	Email				

Ordering Healthcare Provider					
First Name	Last Name	Title	NPI #		
Facility Name			Phone		
Facility Address			Fax		
City	State	Zip Code	Email		
Additional Report Recipients					
Name	Phone	Fax	Email		
Name	Phone	Fax	Email		

Billing Information					
<input type="radio"/> Insurance Billing					
Insurance Company			Policy #	Group #	
Policy Holder First Name		Policy Holder Last Name		Policy Holder DOB ___ / ___ / ____	
Who is the Policy Holder? <input type="radio"/> Patient <input type="radio"/> Spouse <input type="radio"/> Parent			Policy Holder's Employer		
Employer's Address					
<input type="radio"/> Institutional Billing			<input type="radio"/> Patient Payment		
An invoice will be sent to the institution listed above. Please contact us for alternate billing.			An invoice will be sent to the patient email provided. Insurance will not be billed.		

Patient's Sample Information		
Sample Type <input type="radio"/> Saliva <input type="radio"/> Assisted saliva <input type="radio"/> Blood <input type="radio"/> Genomic DNA <input type="radio"/> Other _____	Sample Will Be Collected <input type="radio"/> In-house <input type="radio"/> By Variantyx	Collection Date* ___ / ___ / ____

*Note that the collection date is not the same as the date of service for test billing purposes. For more information, please see CMS guidelines.

