

Genetic Testing Collateral Document

Effective Date: 2/20/2020



Test Name	Lab	Test Description	Indication	Medical Necessity Criteria	Published Cigna Policy
1385 Genes Targeted Genomic Sequencing Panel	University of Texas Southwestern University Hospital		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
2-Gene Ratio (AKA Breast Cancer Gene Expression Ratio)(AKA (Breast Cancer Index [BCI] Risk of Recurrence & Extended Endocrine Benefit Test)	bioTheranostics		Breast Cancer	Medically Necessary if criteria are met: For a woman with recently diagnosed anatomic stage 1 or stage 2 breast cancer when ALL of the following criteria are met: <ul style="list-style-type: none"> estrogen receptor (ER)positive human epidermal growth factor receptor 2 (HER2)-negative no evidence of distant metastasis axillary node status is negative (micrometastasis no greater than 2.0 mm) 	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
50 Gene Cancer Hot Spot Mutation Panel /Cancer Hot Spot	Yale New Haven Hospital		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
50 Gene Tumor Sequencing Panel	Yale New Haven Hospital		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
50 SEQ	ClearPoint Diagnostic Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
5-Fluorouracil Toxicity and Chemotherapeutic Response Panel	ARUP Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
5-hydroxyindoleacetic acid (5-HIAA)	Multiple Labs	Measures the level of serotonin.	Neuroendocrine Tumors (e.g., carcinoid tumors, neuroblastoma)	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Abbott RealTime mS9 Colorectal Cancer Assay	Abbott Molecular		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Abbreviated Comprehensive Phenotype Panel	X-Gene Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
ACOG/ACMG ECS Carrier Screening Panel	Cogene Laboratory				0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Actionable Cardio NGS Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
ADmark Early Onset Alzheimer's Evaluation	Athena Diagnostics, Inc.		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Admark® Early Onset Alzheimer's Evaluation	Athena Diagnostics Inc.		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Advanced Pain Care Pharmacogenetic Panel	Advanced Pain Care Laboratory		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Aeon Pain Management PGX Profile	Aeon Clinical Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Afirma® Genomic Sequencing Classifier	Veracyste, Inc.	Gene expression classifier test which measures the expression level of >100 genes in a thyroid nodule sample.	Cytologically Indeterminate Thyroid Nodules	Medically Necessary for Cytologically Indeterminate Thyroid Nodules	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
ALK Rearrangements	Multiple Labs	Used to detect an ALK gene rearrangement in tumor tissue, including non-small cell lung cancer.	Non-Small Cell Lung Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Alpha Fetoprotein (AFP) in combination with Beta-Human Chorionic Gonadotropin (b-HCG)	Multiple Labs	Measures the level of alpha-fetoprotein and beta-HCG.	Germ Cell and Trophoblastic Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Alpha-Fetoprotein (AFP)	Multiple Labs	Measures the level of alpha-fetoprotein.	Hepatocellular Cancer, Primary; Undiagnosed Pelvic Mass	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
AML Molecular Profile	Genoptic		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
AML Mutation Analysis/AML mutation only analysis	ClearPoint Diagnostic Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
AmpliChip™ Cytochrome P450 (CYP450) Genotyping Test	F. Hoffmann-La Roche Ltd		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Amyotrophic Lateral Sclerosis (ALS) NGS Panel with deletion/duplication analysis	Fulgent Diagnostics		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Amyotrophic Lateral Sclerosis Advanced Evaluation	Athena Diagnostics, Inc.		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Amyotrophic Lateral Sclerosis and Frontotemporal Dementia Sequencing Panel with CNV Detection (25 gene panel)	Prevention Genetics, LLC		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Anora™ single-nucleotide polymorphism (SNP)	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Antidepressants and Antipsychotics Pharmacogenetics Panel	CGC Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Anxiety, Insomnia and Severe Agitation Panel	Medical Diagnostics Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Aortopathy Comprehensive Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Aortopathy Comprehensive Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Arrhythmia and Cardiomyopathy Comprehensive Panel	Invitae		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Arrhythmia Deletion/Duplication Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Arrhythmia NGS Sequencing Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Arrhythmia Panel	GeneDx		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Arrhythmogenic Cardiomyopathy Panel	Invitae		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Arterial Aneurysm Panel	Collagen Diagnostics Laboratory/University of Washington		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
ARVDNext	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Ashkenazi Jewish 18	Bio-Reference Laboratories, Inc		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ashkenazi Jewish 25	Bio-Reference Laboratories, Inc		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ashkenazi Jewish 50 Panel	Bio-Reference Laboratories, Inc		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ashkenazi Jewish Carrier Screen	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ashkenazi Jewish Carrier Screening	Insight Medical Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ashkenazi Jewish Expanded Profile	Bio-Reference Laboratories, Inc		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Ataxia Xpanded Panel	GeneDx		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Ataxia, Comprehensive Evaluation	Athena Diagnostics		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Ataxia/Episodic Ataxia Disorders NextGen DNA Sequencing Panel	Medical Neurogenetics		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Ataxia/Episodic Ataxia Disorders Panel	MNG Laboratories/CHOP Clinical Associates		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
AtheroGxOne Test	Admera Health		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Atlas Expanded Carrier Screen	Atlas Genomics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Atrial Fibrillation Deletion/Duplication Panel	Fulgent Diagnostics		Any	Experimental, Investigational or Unproven	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Atrial Fibrillation NGS Sequencing Panel	Fulgent Diagnostics		Any	Experimental, Investigational or Unproven	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Autism Spectrum Disorders and Intellectual Disability (ASD-ID) Comprehensive Sequencing Panel with CNV Detection	Prevention Genetics		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Autism/ID Gene Panel	Children's National Medical Center		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Autism/ID Xpanded Panel	GeneDx		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Autism/Intellectual Disability Xpanded Panel	GeneDx		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
AutismNext (48-gene panel)	Ambry Genetics		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
BabyGenes™ Newborn Panel	Baby Genes		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Bartrter Syndrome NGS Panel	Fulgent		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Beacon Expanded Female Carrier Screening Plus Panel	Fulgent		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Beacon Expanded Male Carrier Screening Panel	Fulgent		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Beacon Focus Female Carrier Screening Panel	Fulgent		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Beacon Focus Male Carrier Screening Panel	Fulgent		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
beta2-microglobulin (B2M)	Multiple Labs	Measures the level of beta2-microglobulin.	Multiple Myeloma	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Biocept Target Selector	Biocept, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Biodesix Lung Reflex Test	Biodesix, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
BioSpeciFX	Helomics (formerly Precision Therapeutics)		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Bladder-Tumor Associated Antigen (BTA) (Multiple Labs)	Multiple Labs	Detects bladder tumor-associated antigen in urine.	Bladder Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Blueprint Cardiomyopathy Panel	Blueprint Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
BluePrint™ Molecular Subtyping Profile	Agendia		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Bone Marrow Failure Syndromes Panel by NGS (59 genes)	Cincinnati Children's Hospital		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
Bone Marrow Failure Syndromes Panel by NGS (59 genes)	Cincinnati Children's Hospital		Any	Not Medically Necessary	052 Genetic Testing for Hereditary and Multifactorial Conditions
BRACAnalysis CDx®	Myriad Genetics Inc				0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
BRAF (targeted mutation analysis or sequencing)	Multiple Labs	Used to detect BRAF gene mutations.	Differentiated Thyroid Cancer, Metastatic Colorectal Cancer, Non-Small Cell Lung Cancer, Melanoma	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
BRAF600E	Multiple Labs	Used to detect a specific BRAF gene mutation.	Differentiated Thyroid Cancer, Metastatic Colorectal Cancer, Non-Small Cell Lung Cancer, Melanoma	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
BrainTumorNext	Ambry		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
BRCA Full Risk Panel	GeneID		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Breast Cancer Gene Expression Ratio	bioTheranostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Breast Cancer Index (BCI) Risk of Recurrence & Extended Endocrine Benefit Test (AKA 2 gene ratio; Breast Cancer Gene Expression Ratio)	bioTheranostics		Breast Cancer	Medically Necessary if criteria met: For a woman with recently diagnosed anatomic stage 1 or stage 2 breast cancer when ALL of the following criteria are met: • estrogen receptor (ER)positive • human epidermal growth factor receptor 2 (HER2)-negative • no evidence of distant metastasis • axillary node status is negative (micrometastasis no greater than 2.0 mm)	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Breast/GYN Cancer Panel	GeneDx		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Breast/Ovarian Cancer Panel	GeneDx		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
BreastOncPX™	US Labs		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
BREVAgen™	Phenogen Sciences		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
BROCA	University of Washington		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
C7orf72 DNA test (AKA Motor Neuron Disorder Panel)	Athena Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
C9ORF72 Repeat Analysis	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Calcitonin	Multiple Labs	Measures the level of calcitonin.	Medullary Thyroid Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 125	Multiple Labs	Measures the level of CA 125.	Epithelial Ovarian Cancer; Endometrial/Uterine Cancer; Undiagnosed Pelvic Mass	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Cancer Antigen (CA) 15-3	Multiple Labs	Measures the level of CA 15-3.	Metastatic Breast Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 19.9	Multiple Labs	Measures the level of CA 19.9.	Pancreatic Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 195	Multiple Labs	Measures the level of CA 195.	Any	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 242	Multiple Labs	Measures the level of CA 242.	Any	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 27.29	Multiple Labs	Measures the level of CA 27.29.	Metastatic Breast Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 50	Multiple		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 549	Multiple Labs	Measures the level of CA 549.	Any	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Antigen (CA) 72-4	Multiple		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Comprehensive Discover	SureTox		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Cancer Gene Mutation Panel 50	New York Weill Cornell Medical Center		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Somatic Mutation Panel	Stanford Hospital and Clinics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer TREATMENT NGS	bioTheranostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cancer Whole Exome Sequencing	Columbia University Medical Center Laboratory for Personalized Genomic Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Cancer Whole Exome Sequencing (with Transcriptome)	Columbia University Medical Center Laboratory for Personalized Genomic Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
CancerNext Expanded Panel	Ambry Genetics		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
CancerPlex™	KEW Group		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CancerSELECT	Personal Genomics Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CancerTYPE ID	bioTheranostics, Inc.		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Carbohydrate Metabolism Deficiency NextGen DNA Screening Panel	MNG Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Carcinoembryonic Antigen (CEA)	Multiple Labs	Measures the level of carcinoembryonic antigen.	Metastatic Breast Cancer, Colorectal Cancer, Medullary Thyroid Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Cardiac DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Cardiac Healthy Weight DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Cardiac Medication Metabolism and Risk Factors Test	MD Tox Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cardio IQ™ 9p21 Genotype Test	Quest Diagnostics™		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Cardio IQ™ KIF6 Genotype	Quest Diagnostics™		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions

Genetic Testing Collateral Document

Effective Date: 02/20/2020



CardioGXOne	Admera		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
CardioIDgenetix	AltheaDx		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
CardioGene Panel	AlBio Tech		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cardiology & Thrombophilia Pharmacogenetic Report	Alpha Genomix Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cardiomyopathy and Arrhythmia Deletion/Duplication (83 Genes)	ARUP Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Cardiomyopathy and Arrhythmia Panel, Sequencing (85 Genes)	ARUP Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Cardiomyopathy and Arrhythmia Panel, Sequencing (85 Genes) and Deletion/Duplication (83 Genes)	ARUP Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Cardiomyopathy Comprehensive Panel	Invitae		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Cardiomyopathy NGS Panel	Allele Diagnostics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Cardiomyopathy Panel	GeneDx		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
CardioNext	Ambry Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
CardioPredict Pharmacogenomic Optimization Panel	Transgenomic		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cardiovascular Health Panel	X-Gene Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cardiovascular Panel	Genoscientific		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
CARIS Molecular Intelligence (MI) TumorSeek	Caris Life Sciences™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Caris Molecular Intelligence (MI) Profile Plus NGS Sequencing	Caris Life Sciences™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Caris Target Now™	Caris Life Sciences™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Carrier Screen Mutation Information (Inheritest)	Shiel Medical Laboratory		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Carrier Status DNA Insight Panel	Luminus Diagnostics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
CarrierMap	Cooper Genomics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
CarrierMap Screening (AKA CarrierMap Test)	Recombine		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Cathepsin D (Ab-1 monoclonal antibody)	Multiple		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Center for Jewish Genetics (CJG) Expanded Carrier Screening	Insight Medical Genetics, LLC		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
CerviGENE Gene Expression Analysis	OvaGene Oncology		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Charcot-Marie-Tooth (CMT) Comprehensive Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Charcot-Marie-Tooth (CMT) Comprehensive Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Chemotox	Alpha Genomix Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Childhood-Onset Epilepsy Panel	Arup Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Childhood-Onset Epilepsy Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Chromogranin A (CgA)	Multiple Labs	Measures the level of chromogranin A.	Neuroendocrine Tumors (e.g., carcinoid tumors), neuroblastoma, and small cell lung cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Ciliopathies: Sequencing Panel	EGL Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Ciliopathy NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Circulogene Biopsy Free 50 Tumor-Related Gene Test	Circulogene Theranostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
C-kit (CD-117 [cluster of differentiation-117]), also known as Kit	Multiple Labs	Used to detect C-kit mutations.	Gastrointestinal Stromal Tumors; Melanoma, Acute Myeloid Leukemia	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
ClearID Breast Cancer Comprehensive Molecular Report	Cynvenio Biosciences, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
ClearID Lung Cancer Panel	Cynvenio Biosciences, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
ClearID Solid Tumor Test	Cynvenio Biosciences, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CLL Assay (ATM, BIRC 3 (exons 6-9), BTK (Exons 8,15,16), NOTCH1 (Exons 26,27,34), PLCG2 (Exon 19), SF3B1 (exons 14-18),TP53)	MD Anderson		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
CLL Complete	Cancer Genetics, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CLL Targeted Profile	Genoptix, Inc/D/B/A Basher Dabbas MD		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CMNext	Ambry Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
CNS Tumor Gene Set Test	Washington University Genomics and Pathology Services		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
ColonSentry®	Innovative Diagnostic Laboratory		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
COLONSEQPlus Panel	Med Fusion		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Colorectal Cancer Guidelines-Based Panel (add-on guidelines genes with emerging data)	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Colorectal Cancer NGS Panel (OncoPrint Focus Assay)	Michigan Medical Genetic Laboratories (MMGL)		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Colorectal Cancer Panel	GeneDx		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Colorectal Cancer Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
ColoSeq™	University Of Washington		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Colovantage™ (methylated septin 9)	Quest Diagnostics™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Columbia Combined Cancer Panel	Columbia University Medical Center Laboratory of Personalized Genomic Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Combinatrix™ Breast Cancer Profile	CombiMatrix, (Invitae)		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Combined Cardiac Panel	GeneDx		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Combined Mito Genome Plus Mito Nuclear Gene Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Common Hereditary Cancers Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Complete ALS Evaluation	Athena Diagnostics		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Complete Parkinsonism Evaluation	Athena Diagnostics Inc.		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Complete Risk Hereditary Panel	IntelligeneDX		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Comprehensive Brain Malformations Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Cancer Panel	GeneDx		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Comprehensive Cardiac Arrhythmia NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Comprehensive Cardiomyopathy Multi-Gene Panel	Mayo Clinic		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Comprehensive Cardiomyopathy NextGen DNA Screening Panel (130 genes)	MNG Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Comprehensive Cardiomyopathy Panel	Invitae		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Comprehensive Congenital Hyperinsulinism Panel	University of Chicago		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Dystonia NextGen DNA Screening Panel	MNG Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive EDS Panel	Center for Precision Diagnostics, University of Washington-Seattle Children's		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Evaluation NGS Panel	Transgenomic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Flex Panel (Plus)	Blueprint Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Gene Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Gene Panel (78 genes)	Ann & Robert Lurie Children's Hospital		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy NextGen DNA Sequencing Panel	Medical Neurogenetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Panel	ADX Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Panel (134 genes)	Advanced Diagnostics Laboratory at the Children's Medical Center Dallas TX		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Epilepsy Testing (EpilepsyNext)	Ambry Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Extended Panel	Alpha Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Genetics Analysis Panel	Advanced Diagnostic Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Hereditary Spastic Paraplegia Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Hereditary Spastic Paraplegia Panel (AKA HSP, Comprehensive Evaluation)	Athena Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Jewish Carrier Screen	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Comprehensive Medication Metabolism Panel	MD Tox Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Mitochondrial Nuclear Gene Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Molecular Genetic Panel	Molecular Testing Labs		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Muscular Dystrophy/ Myopathy Panel (+mtDNA)	MNG Laboratories (Medical Neurogenetics)		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Comprehensive Muscular Dystrophy/Myopathy NextGen DNA Sequencing Panel (184 genes)	Medical Neurogenetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Myopathy Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Neuromuscular Disorders	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Neuromuscular Sequencing Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Neuropathies Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Panel	Cquentia		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Panel (94 genes)	IntelligeneDX		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Comprehensive Panel (ApoE, CYP2D6, CYP2C19, 2C9-VKORC1,OPRM1,COMT, ITGB3 Factor II, Factor V, MTHFR, CYP3A4,CYP3A5, CYP1A2, CYP2B6, SLCO1B1, LPA, 9P21)*	Lab Genomics		Any	Experimental, Investigational or Unproven	0500 Pharmacogenetic Testing
Comprehensive Personalized Medicine Panel	Alpha Genomix Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Personalized Medicine Report	Axis Professional Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive PGX Panel (AKA Comprehensive Pharmacogenetic Panel)	Medcomp Sciences, LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Pharmacogenetic Panel	Advanced Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Pharmacogenetic Panel	Medical DNA Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Pharmacogenetic Panel	Southern Premier Lab		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Pharmacogenetic Panel (AKA Comprehensive PGX Panel)	Medcomp Sciences, LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Pharmacogenetic Testing	Patient's Choice Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Phenotype Panel	X-Gene Diagnostics, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive PinPointDNA Panel	PinPoint Clinical, GeneAlign		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Comprehensive Symptom Driven NGS Panel	Children's Mercy Hospital		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Comprehensive Uveal Melanoma Prognostic Test	Impact Genetics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Congenital Ichthyosis XomeDxSlice Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Congenital Myopathy and Congenital Muscular Dystrophy Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Congenital Myopathy NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Congenital Myopathy Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
CONNECT1 Connective Tissue Disorders panel	Center for Human Genetics (CHG)		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Connective Tissue Disorders Panel	Human Genetics Laboratory, University of Nebraska		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Connective Tissue NGS Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
CORE DME Pharmacogenomic Testing Panel	Core Medical LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Corus CAD	CardioDX		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Counsyl 2.0 NextGen Test	Counsyl, Inc., Myriad Women's Health, Inc.		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Counsyl Family Prep Screen	Counsyl, Inc., Myriad Women's Health, Inc.		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Counsyl Universal Panel	Counsyl/Myriad Women's Health, Inc.		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Counsyl/Myriad Foresight Carrier Screen (Universal)	Counsyl, Inc., Myriad Women's Health, Inc.		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
CPVTNext	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Craniosynostosis Panel	Blueprint Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Craniosynostosis Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
CustomNext-Cancer Panel (up to 67 genes)	Ambry Genetics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Cxbladder™ Detect	Pacific Edge Diagnostics		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Cxbladder™ Monitor	Pacific Edge Diagnostics		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CYFRA21-1 (cytokeratin fragment 19)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
CYP2D6 Tamoxifen Resistance Test	GenPath and BioReference Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
CYP3A4	Multiple		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
CYP3A5	Multiple		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
CYP450 Enzymes	Comprehensive Pain Specialists		Any	Not Medically Necessary	0500 Pharmacogenetic Testing

Genetic Testing Collateral Document

Effective Date: 02/20/2020



CYP450 Profile	Anesthesia Services Associates PLLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cytochrome P450 (deletion/duplication analysis on CYP2D6, CYP2C9, CYP2C19, CYP3A4, CYP3A5, CYP2E1, CYP1A1, CYP1A2, CYP2A6, CYP2B6 genes)	CGC Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cytochrome P450 Genotype Panel	University of California Davis Health System - UCDMC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cytochrome P450 Panel	ARUP		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Cytochrome P450 Panel	Comprehensive Pain Specialists		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
DarwinOncoTarget/OncoTreat™	Columbia University Medical Center, Darwin Health		Any	Experimental, Investigational or Unproven	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
DCM/Arrhythmogenic Cardiomyopathy Panel (53 Genes) Test	Laboratory for Molecular Medicine – Harvard		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
DCM/LVNC Sequencing and Del/Dup Panel	GeneDx		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
DCMNext	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
DCP (des-gamma-carboxy-prothrombin)	Multiple		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
DecisionDX-G-CIMP (methylation analysis of DNA for determining tumor grade)	Castle Biosciences		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
DecisionDX-Thymoma	Castle Biosciences		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
Decision-GBM	Castle Biosciences		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
DecisionDX-Melanoma Gene Expression Profile Test for Cutaneous Melanoma	Castle Biosciences		Any	Experimental, Investigational or Unproven	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
deCode BreastCancer® Test	deCode Diagnostic Laboratory		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
DetoxiGenomic® Profile Test	Genova®		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
devACT® Clinical Management Panel	Courtagen Life Sciences, Inc		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
devSEEK TRIOME	Courtagen Life Sciences, Inc		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Dilated Cardiomyopathy (DCM) Left Ventricular Non-Compaction (LVNC)	GeneDx		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Dilated Cardiomyopathy (DCM)/Left Ventricular Noncompaction (LVNC) Panel, 38 Genes	Arup Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
DNA Ploidy (deoxyribonucleic acid ploidy)	Multiple		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
DNA Stat (all pharmacogenomic panels)	Multiple		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Dual Genome Panel by Massively Parallel Sequencing-(BCM-MitomeNGSSM)	Baylor Medical Genetics Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Du-Pan-2 (sialylated carbohydrate antigen)	Multiple		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
Dystonia Comprehensive Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Dystonia Sequencing Panel	EGL Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Early Infantile Epileptic Encephalopathy Panel	Children's Hospital of Philadelphia		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Early Infantile Epileptic Encephalopathy Panel	University of Chicago Genetic Services		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Early Infantile Epileptic Encephalopathy, Dominant and X-Linked Sequencing Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Early Onset Inflammatory Bowel Disease Deletion/Duplication Panel	Emory Genetics Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Early Onset Inflammatory Bowel Disease Sequencing Panel	Emory Genetics Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
EarlyCDT™	Oncimmune Limited		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
EGFR Mutation Testing		Used to detect EGFR mutations.	Non-Small Cell Lung Cancer	Medically Necessary for the indication listed.	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
Ehlers-Danlos Syndrome Deletion/Duplication Testing via aCGH	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Ehlers-Danlos Syndrome NGS Panel Dominant and Recessive	Connective Tissue Gene Tests (CTGT)		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Ehlers-Danlos Syndrome Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Ehlers-Danlos Syndrome Sequencing Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
EmbryVu	GoodStart Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
EndCLL	University of Texas MD Anderson Cancer Center		Any	Not Medically Necessary	0520 Tumor Proming, Gene Expression Assays and Molecular Diagnostic Testing for
EndoGENE	OvaGene Oncology		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Endometrial Cancer Panel	GeneDX				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
EndoPredict Risk Score	Myriad Genetics, Inc.		Medically Necessary if criteria met.	<p>Medically Necessary if criteria met.</p> <p>For recently diagnosed anatomic stage 1 or stage 2 breast cancer breast cancer when ALL of the following criteria are met:</p> <ul style="list-style-type: none"> • histologic type is ductal, lobular, mixed (ductal/lobular), or metaplastic • tumor size 0.6-1.0cm and intermediate or high grade (Grade 2 or 3) OR tumor size 1.1-5.0cm any grade • estrogen receptor positive and/or progesterone receptor positive • HER2 receptor negative • postmenopausal • No evidence of distant metastasis • Axillary node status is negative (micrometastasis is no greater than 2.0 mm) 	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
ENGAUGE GI-Barrett's Esophagus	Diagnovus		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
ENGAUGE GI-EoE	Diagnovus		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Epidermolysis Bullosa (EB) XomeDxSlice	GeneDx		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
EpiFirst Fever	Ambry Genetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Advanced Sequencing Evaluation	Athena Diagnostics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy and Seizure Disorders Panel	Emory		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Comprehensive NGS Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Gene Panel (100 genes)	Children's Hospital of Philadelphia		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Panel	Invitae		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Panel	Mary Hitchcock Memorial Hospital		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epilepsy Panel with Preliminary Evidence Genes	Invitae		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
EpilepsyNext	Ambry Genetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Epileptic Encephalopathy NextGen DNA Sequencing Panel	Medical Neurogenetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
epiSEEK® Focus Epilepsy Panel	Courtagen Life Sciences, Inc.		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
epiSEEK® Triome Sequence Analysis	Courtagen Life Sciences, Inc.		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
epiSEEK™ Comprehensive Sequence Analysis	Courtagen Life Sciences, Inc.		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Episodic Pain Syndrome NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
EpiXpanded panel	GeneDx		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Estrogen Receptor (ER)/ Progesterone Receptor (PR)	Multiple Labs	Measures the level of these hormones.	Breast Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
eXagenBC®	eXagen Diagnostics, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
ExoDx Prostate (IntelliScore), (AKA EPI)	Exosome Diagnostics		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Expanded Carrier Screen (152 gene)	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Expanded Carrier Screen (283 gene)	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Expanded Carrier Screen (39 gene)	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Expanded Neuromuscular Disorders: Sequencing and Deletion/Duplication Panel #MM360	EGL Genetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Expanded Pan-Ethnic Panel	Sema4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Expanded Polycystic Kidney NGS Panel	Fulgent		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Extended Gene Panel					0522 Genetic Testing for Hereditary and Multifactorial Conditions
Familial Atrial Fibrillation Syndrome NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Experimental, Investigational or Unproven	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Female Febrile Seizure Panel (FFSP)	Transgenomic		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Fever Syndromes NextGen Sequencing Panel	Medical Neurogenetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
Fever Syndromes Panel	Medical Neurogenetics		Any	Not Medically Necessary	0522 Genetic Testing for Hereditary and Multifactorial Conditions
FLT3-ITD (tandem duplications)	Multiple Labs	Used to detect FLT3-ITD mutations.	Acute Myeloid Leukemia	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Focus Myeloid Panel	Cancer Genetics, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
FoundationOne® Heme	Foundation Medicine, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for

Genetic Testing Collateral Document

Effective Date: 02/20/2020



FoundationOne® Liquid	Foundation Medicine, Inc.	Multigene liquid biopsy test that analyzes for 70 genetic alterations across solid tumor sites	Genetic Counseling not required. Medically Necessary for the following: recurrent or metastatic non small cell cancer (NSCLC) for the following indications: -when biopsy tissue is not available -at progression on EGFR tyrosine kinase inhibitors (TKIs)	#REF!	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Frontier PGx Panel	Frontier Toxicology		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Frontotemporal Dementia (FTD) Evaluation (C9ORF72, MAPT, GRN)	Athena Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Frontotemporal Dementia Panel	Athena Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Gastric Cancer Panel (19 genes)	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
GCC (guanylyl cyclase C)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GEM Cancer Panel	Ashion Analytics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GenArray™	GenPath Diagnostics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
GeneAware - Basic Panel (6 genes)	Baylor		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
GeneAware Ashkenazi Jewish Panel (39 genes)	Baylor Miraca Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
GeneAware Complete Carrier Screening Panel	Amerigene		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
GeneAware Complete Panel (158 genes)	Baylor		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Genecept™ Assay	Genomind		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneDose™	Coriell Life Sciences		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneID Preventest (AKA Preventest) GeneSeq®: Cardio Familial Arrhythmia Profile	United Toxicology LLC, LabCorp		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
GeneSeq Hereditary Cancer Panel	Aventus Health		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
GeneSeq®: Cardio Familial Arrhythmia Profile	LabCorp		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
GeneSeq®: Cardio Familial Cardiomyopathy Profile	LabCorp		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
GeneSight® ADHD	AssureRX Health Inc./Myriad		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneSight® Analgesic	AssureRX Health Inc./Myriad		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneSight® MTHFR	AssureRX Health Inc./Myriad		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneSight® Psychotropic	AssureRX Health Inc./Myriad		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneStrat	Biodesix		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Genetic Assisted Prescribing Test	Quantigen Genomic		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Genetics4you MDx Cardiac Panel	Genetisis MDx		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
GeneTrails Hematologic Malignancies 76 Gene Panel	Knight Diagnostic Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GeneTrails NSCLC Genotyping Panel	Knight Diagnostic Laboratories/Oregon Health Science University		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GeneTrails Solid Tumor Panel	Knight Diagnostic Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GeneTrails® AML/MDS Genotyping Panel (Ion Torrent panel)	Oregon Health & Science Univ				0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GeneTrails® AML/MDS Genotyping Panel (Ion Torrent panel)	Oregon Health & Science Univ		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GeneVu Pan-Ethnic Panel	GoodStart Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
GeneticN-Autism test	MEDomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Glycogen Storage Disease and Disorders of Glucose Metabolism NextGen Sequencing (NGS) Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
GPS Cancer™	NantHealth		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Guardant360	GuardantHealth			EGFR: L858R, Exon 19 deletions; IRESSA® (gefitinib)	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Gynecologic Tumors Gene Set	Washington University Genomics and Pathology Services		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
GYNPlus (13 genes)	Ambry Genetics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
HCMFirst	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
HCMNext	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Healthy Weight DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Healthy Woman DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Hematologic Malignancies Panel	Penn Center for Personalized Diagnostics-Penn Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Hematologic Malignancy Sequencing Panel	Penn Center for Personalized Diagnostics-Penn Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Heme Amplicon Panel	University Of Washington Molecular Hematopathology Laboratory		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HemeSeq™	Quest Diagnostics/ med fusion clin-labs				0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HeproDX™ (Multianalyte Assays with Algorithmic Analyses (MAAA))	GoPath Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HER2 (ERBB2) Mutation Testing	Multiple Labs	Used to detect HER2 (ERBB2) mutations.	Non-Small Cell Lung Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HerediT® UNIVERSAL Carrier Screening	Sequenom, Integrated Genetics, LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Hereditary Bladder and Renal Cancer Panel	Invitae		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hereditary Cancer Risk Test	Vantari Genetics		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Hereditary Cardiac Arrhythmia NextGen DNA Sequencing Panel (58 genes)	MNG Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Hereditary Colon Cancer Multi-Gene Panel	Mayo Clinic		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Hereditary Hemochromatosis Panel	Invitae		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hereditary Hemolytic Anemia Sequencing, 28 Genes	ARUP Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hereditary Paraganglioma Pheochromocytoma Syndromes Panel					0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Hereditary Spastic Paraplegia Comprehensive Panel	Invitae		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hereditary Spastic Paraplegia Panel	Athena Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hereditest (AKA Preventest)	GeneID/Advanced Molecular Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Heritable Disorders of Connective Tissue Panel	GeneDx		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HERmark® Breast Cancer Assay	Monogram Biosciences		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HHTNext					0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
High Frequency Carrier Screen	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
High Moderate Risk Panel	GeneDX		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
hMAM (human mammaglobulin)	Multiple		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HopeSeq GI/GYN/GU (Mutations, Fusions, Copy Number Variations, MSI, PD-L1, IHC)	City of Hope		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Horizon 106™	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Horizon 137™	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Horizon 14 gene Pan-Ethnic screen	Natera	Carrier Testing		Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Horizon Carrier Screen Pan Ethnic Extended	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Horizon™ 27 Carrier Screening Panel	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Horizon™ 274	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
HOXB13/IL17BR	bioTheragnostics, Inc.		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
HSP, Comprehensive Evaluation (AKA Comprehensive Hereditary Spastic Paraplegia Panel)	Athena Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Human Chorionic Gonadotropin (HCG)	Multiple Labs	Measures the level of HCG.	Trophoblastic Testicular Cancer; Trophoblastic Ovarian Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Human Epidermal Growth Factor Receptor (HER2) when performed by immunohistochemical (IHC) and/or fluorescent in situ hybridization (FISH) (Multiple Labs)	Multiple Labs	Measures the level of HER2 receptor protein.	Breast Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Hypertrophic Cardiomyopathy Panel	OHSU, Knight Diagnostic Lab		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
ICG 100 Cancer Panel	Intermountain Precision Genomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
IDGenetix Pharmacogenetic Tests	AltheaDx		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
IDNext Panel	Amby Genetics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
iGene Cancer Panel	ApolloGen		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
IGS Genetics /Pharmacogenetics	Empire City Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Ilustra Genetic Risk Test (AKA Periopredict®)	Interleukin Genetics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
IMG Universal Panel 2.0	Insight Medical Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
IMG Universal Panel 3.0 (with X-linked conditions)	Insight Medical Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis

Genetic Testing Collateral Document

Effective Date: 02/20/2020



ImmunoCyte™/uCyte+™	Diagno-Cure Inc		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Infantile and Childhood Epilepsy Panel	University of Chicago Genetic Services		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Infantile Epilepsy Panel	ARUP Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Infantile Epilepsy Panel	GeneDX		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Infertility Panel	Emory Genetics Laboratory		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Informed PGx Depression Panel	Progenity		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inherigen	BioReference Labs		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inherigen Plus	BioReference Labs		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inherigen Test	Gen Path		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest Ashkenazi Jewish	Sequenom, Integrated Genetics, LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest Comprehensive	Sequenom, Integrated Genetics, LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest Comprehensive Panel (141 genes)	Integrated Genetics/LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest Select Carrier Screen	LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest Society-Guided Screening Panel	Sequenom, Integrated Genetics, LabCorp		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Inheritest® Ashkenazi Jewish Carrier Screening Panel, NGS	LabCorp/Esoterix		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
Insight DX™ MammaStrat™	Clariant, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Intellectual Disability Panel (372 genes)	Arkansas Children's Hospital		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
IntelliGeneDx Complete Hereditary Risk Panel (94 genes)	IntelliGeneDX		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Invader® UGT1A1 Molecular Assay	Hologic®		Any	Experimental, Investigational or Unproven	0500 Pharmacogenetic Testing
Invasiveness Signature™	Oncomed Pharmaceuticals		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Kallikrein-related peptidase 2 (hK2)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Kay's Array	OvaGene Oncology		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
KidneySeq Inherited Kidney Disease Panel	Iowa Institute of Human Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
KIT (proto-oncogene c-KIT), also known as C-kit	Multiple Labs	Used to detect KIT mutations.	Gastrointestinal Stromal Tumors; Melanoma, Acute Myeloid Leukemia	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
KRAS Mutation Testing, also known as K-RAS	Multiple Labs	Used to detect KRAS mutations.	Metastatic Colorectal Cancer; Non-Small Cell Lung Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
LactoTYPE	Prometheus Laboratories Inc.		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
LASA-P (lipid associated sialic acid in plasma)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Leukoencephalopathy NGS Panel	Fulgent		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Leukoencephalopathy Xpanded Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Limb Girdle Muscular Dystrophy Panel	Multiple		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Lipodystrophy NGS Panel	Fulgent		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Liquid GPS testing	Baylor Miraca Genetics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Lung Molecular Profile	Genoptix, Inc		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
LVNCNext	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Lymphedema Sequencing Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Lymphoid Molecular Profile	Genoptix, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Macrocephaly/Ovegrowth Panel	Blueprint Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
MaculaRisk	Arctic Medical Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Male Febrile Seizure Panel (FSP)	Transgenomic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Mammostrat	Clariant, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Marfan syndrome, Loeys-Dietz syndrome, familial thoracic aortic aneurysms & dissections, and related disorders NGS panel - Fixed - CTGT	Mayo Clinic-Rochester				0052 Genetic Testing for Hereditary and Multifactorial Conditions

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Marfan syndrome, Loeys-Dietz syndrome, Familial thoracic aortic aneurysms & dissections, and Related disorders NGS panel - Fixed - CTGT	Mayo Clinic-Rochester				0052 Genetic Testing for Hereditary and Multifactorial Conditions
Marfan syndrome, Loeys-Dietz syndrome, Familial thoracic aortic aneurysms & dissections, and Related disorders NGS panel - Fixed - CTGT	Mayo Clinic-Rochester				0052 Genetic Testing for Hereditary and Multifactorial Conditions
Marfan/TAAD 23 gene panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Marfan/TAAD Sequencing & Del/Dup Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Marfan/TAAD syndrome, Loeys-Dietz syndrome, familial thoracic aortic aneurysms & dissections, and related disorders NGS panel - Fixed - CTGT	Mayo Clinic-Rochester		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
MarrowSeq Panel Test	University of WA/Seattle Children's Hospital		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
MaterniTGENOME	Sequenom		Any	Not Medically Necessary	0014 Genetic Testing for Reproductive Carrier Screening and 0520 Tumor Profiling, Gene
MCA (mucin-like cancer antigen)	Multiple		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
MCAM (melanoma cell adhesion molecule)	Multiple		Any	Not Medically Necessary	Expression Assays and Molecular 0520 Tumor Profiling, Gene
MDS/CMML Profile-Liquid Biopsy	NeoGenomics Laboratories		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
Medical Management Panel	D2 Genetics Laboratory		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Medical Management Pharmacogenomic Panel	Insight Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Medical Management Test	Vantari Genetics/Pacific Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Medication DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Megalencephaly Panel	Seattle Children's Hospital		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions 0520 Tumor Profiling, Gene
Melanoma Targeted Profile for Cutaneous Melanoma	Genoptix		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
MelanomaNext (8 genes)	Ambry Genetics		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes 0520 Tumor Profiling, Gene
MELARIS®	Myriad Genetics, Inc.		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
Mental Health DNA Insight™	Pathway Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing 0520 Tumor Profiling, Gene
MET Amplification	Multiple Labs	Measures the number of copies of the MET gene.	Non-Small Cell Lung Cancer	Medically Necessary for the indication listed	Expression Assays and Molecular Diagnostic Testing for
Metabolic Myopathies, Rhabdomyolysis, Exercise Intolerance Sequencing Panel	Prevention Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Metabolic Syndromic Neuropathy Panel (NGS)	Mayo Clinic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Metabolic Syndromic Neuropathy Panel (NGS)	Mayo Clinic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions 0520 Tumor Profiling, Gene
MI Profile	Caris Life Sciences™		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
Microcephaly Sequencing Panel	University of Chicago Genetics Services Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Millennium PGT	Millennium Health		Any	Not Medically Necessary	0500 Pharmacogenetic Testing 0520 Tumor Profiling, Gene
miR-31now™	GoPath Laboratories		Any	Experimental, Investigational or Unproven	Expression Assays and Molecular Diagnostic Testing for
miRInform	Asuragen				Expression Assays and Molecular Diagnostic Testing for
Mitochondrial Diseases: Sequencing Panel	Emory Genetics Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Mitochondrial Disorders Panel (mtDNA and 108 Nuclear Genes) Sequencing and Deletion/Duplication	ARUP Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
MitoMED-Autism™	MEDomics™		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
MitoSwab	Religen		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Molecular Genetics Connective Tissue Panel	Oregon Health & Science Univ, Knight Diagnostic Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Molecular Intelligence (MI) Profile X™	Caris Life Sciences™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular 0520 Tumor Profiling, Gene
Monoclonal Antimucin Antibody 17.1 (CAM 17.1)	Multiple		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
Movement Disorder Panel	Center for Precision Diagnostics, University of Washington		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions 0520 Tumor Profiling, Gene
MPN Panel	Hematogenix				Expression Assays and Molecular Diagnostic Testing for
Multi-Cancer Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Multigene Drug Sensitivity Panel	PGXL		Any	Not Medically Necessary	0500 Pharmacogenetic Testing 0520 Tumor Profiling, Gene
Multiplex Tumor Panel	Colorado Molecular Correlates Laboratory		Any	Not Medically Necessary	Expression Assays and Molecular Diagnostic Testing for
Muscular Dystrophy Advanced Evaluation	Athena Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions

Genetic Testing Collateral Document

Effective Date: 02/20/2020



MyAML NGS Panel	LabPMM LLC, an Invivoscribe Technologies, Inc. Company		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
myChoice HRD	Myriad Genetics, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Myeloid Malignancies Mutation Panel	ARUP Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Myeloid Molecular Profile	Genoptix, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Myeloid NGS Panel	Molecular Diagnostic Laboratory		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Myeloperoxidase (MPO)	Multiple Labs	Used to detect MPO gene mutations.	Acute Myeloid Leukemia	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
MyeloSeq 40 gene Panel	Cytogenetic Laboratory		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Myopathy and Rhabdomyolysis Panel	Baylor Medical Genetics Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Myopathy/ Rhabdomyolysis NGS Panel	Fulgent Labs				0052 Genetic Testing for Hereditary and Multifactorial Conditions
Myotonic Syndrome Advanced Evaluation Test	Athena Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
myPATH	GenoPATH		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
MyPRS (Myeloma Prognostic Risk Signature)	Signal Genetics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
myRisk™ Hereditary Cancer	Myriad Genetics, Inc.		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
MyVantage™ Comprehensive Hereditary Cancer Panel	Quest Diagnostics™		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
NantHealth GPS Cancer Somatic Test	Hospital For Children at IU Health		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Narcotic/Opioid Risk Profile	PROOVE		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
NeoLab MDS/CMML Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE CLL Prognostic Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE Lung Tumor Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE Lymphoma Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE Ovarian Tumor Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE™ Analysis Next-Gen Myeloid Disorders Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE™ Brain Tumor Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NeoTYPE™ Other Solid Tumor Profile	NeoGenomics Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Nervous System/Brain Cancer Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
NETest®	Wren Laboratories, LLC		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Neuro-developmental Expanded Panel	Ambry Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
NeuroIDgenetix	Althea Dx, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Neuromuscular Disorder Panel	Center for Precision Diagnostics, University of Washington		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Neuromuscular Disorders Panel (80 genes)	GeneDX		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Neuromuscular NGS Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Neuronal Migration Disorders Panel	Fulgent Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Neurotransmitter Metabolism Deficiency NextGen DNA Screening Panel	MNG Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Nevome™	DermTech		Any	Experimental, Investigational or Unproven	0052 Genetic Testing for Hereditary and Multifactorial Conditions
NewBornGene ID	GeneID Laboratories		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
NewbornGene ID™	GeneID Advanced Molecular Diagnostics, LLC		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
NexCourse Complete Assay	Genoptix, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NexCourse Complete Tumor Profiling Panel (bone marrow)	Genoptix, Inc/Bashar Dabbas		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Next Health Genetics Panel - Pharmacogenetic	United Toxicology LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
NextGen Sequencing AML Panel (major)	Emerge Innovative Pathology		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NextStep Expanded Panel	Mount Sinai Genetic Testing New York NY		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and Prenatal Diagnosis
NextStepDX Plus	Lineagen, Inc.		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
NGS Colorectal Cancer	Quest /Sonora Quest Lab		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
NGS Epilepsy/Seizure Panel	Greenwood Genetic Center		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
NPM1 MRD by NGS	LabPMM LLC, an Invivoscribe Technologies, Inc. Company		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications

Genetic Testing Collateral Document

Effective Date: 02/20/2020



NRAS Exons 1 and 2	Multiple Labs	Used to detect specific NRAS gene mutations.	Metastatic Colorectal Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Nuclear Mitome Analysis	Transgenomic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Nuclear Panel by Massively Parallel Sequencing-(BCM-MitomeNGSSM)	Baylor Medical Genetics Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Nuclear-Matrix Protein (NMP) 22 Test Kit	Multiple Labs	Measures the level of NMP22.	Bladder Cancer; Small Cell Lung Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
nucSEEK® Comprehensive Sequence Analysis Of The Nuclear Mitochondrial Exome	Courtagen Diagnostic Laboratory		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Nutrigenomic	Logix Diagnostic Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
NuvoSelect™ eRx 200-Gene Assay	Nuvera Bioscience, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
NxGen Ashkenazi Jewish Panel	NxGEN MDx		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
NxGen Super Panel	NxGEN MDx		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
OmniSeq Assay	LabCorp.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OmniSeq Target	Roswell Park Cancer Institute		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OncoBEAM EGFR	Sysmex Inostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OncoGXOne	Rosetta Genomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Oncomine Comprehensive Assay	Thermo Fisher Scientific/Multiple Labs		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Oncomine Focus Assay	Michigan Medical Genetic Laboratories (MMGL)		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OncomineDX Target	NeoGenomics	FDA-approved companion diagnostic test which detects mutations in 23 genes in tumor tissue samples in an individual with non-small cell lung cancer (NSCLC)	Non-small cell lung cancer (NSCLC) for selected mutation /drug targets	Genetic counseling is not required. For the following mutation/drug target pairs: BRAF600E >TAFINLAR (dabrafenib) in combination with MEKINIST (trametinib); ROS	0500 Pharmacogenetic Testing
OncoPlex Somatic Panel for Uveal or Ocular Melanoma, Renal Cell Cancer, Desmoid Tumors, Primitive Neuroectodermal Tumor	Seattle Cancer Care Alliance		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Oncotype DX® Breast Cancer Assay for DCIS (AKA Oncotype DX Breast DCIS Score, AKA OncotypeDX for DCIS (Ductal Carcinoma In Situ) Stage 0 Pre-Invasive Breast Cancer	Genomic Health®		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
OncotypeDx AR-V7 Nucleus Detect	Genomic Health		Prostate Cancer		0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OncotypeDx® Colon Cancer Assay	Genomic Health®		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OncoVue® Breast Cancer Risk Test	Intergenetics®		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
OneCheck Plus Genomic Test	Bio-Reference Laboratories, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OneOme Pharmacogenetic Gene Panel	Mayo Medical Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Onkosight Lung Cancer Panel +ALK and ROS1	Bio-Reference Laboratories, Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OnkoSight MPN Panel	GenPath		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Onkosight Myeloid Panel	BioReference Laboratories/GenPath		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OPN (osteopontin)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OtoSeq Hearing Loss Panel					0052 Genetic Testing for Hereditary and Multifactorial Conditions
Ovarian Cancer High/Moderate Risk Panel	GeneDX				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
OvariGENE	OvaGene Oncology		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OvaSeq	OvaGene Oncology		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
OvaTox	OvaGene Oncology		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Overgrowth and Macrocephaly Syndromes Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
P53 (monoclonal antibody)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Pain Management Panel	AlBio Tech		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Management Panel	Exceltox Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Management Panel	Fortis Lab LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Management Panel	X-Gen Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Medication DNA Insight	Pathway Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Medication Metabolism Test	MD Tox Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Panel	Alpha Genomix Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pain Panel	Ascendant Laboratory Services		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pan Cardiomyopathy (92 genes) Deletion/Duplication Panel	Baylor Medical Genetics Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Pan Cardiomyopathy (92 genes) NGS Panel	Baylor Medical Genetics Laboratories		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Pan Cardiomyopathy Panel	Laboratory for Molecular Medicine - Harvard		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Pan Cardiomyopathy Panel	Seattle Children's Hospital		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Pan-Cancer Somatic Panel	Lifecode		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Pan-Cardio Panel	Fulgent		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
PancNext (13 genes)	Ambry Genetics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
PancreasDX	Ariel Precision Med		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Pancreatic Cancer Panel	Counsyl		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Pancreatic Cancer Panel	GeneDX		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Pancreatitis Panel (4 genes)	Ambry Genetics				0052 Genetic Testing for Hereditary and Multifactorial Conditions
Paradigm Cancer Diagnostic (PCDx)	Paradigm Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
PathFinderTG Pancreas (AKA PancaGen)	Interpace Diagnostics		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Pathway Fit	Pathway Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pathwork® Tissue of Origin Test	Pathwork Diagnostics		Any	Experimental, Investigational or Unproven	
PCDx	Paradigm		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Pediatric Neurology Region of Interest Trio for Neuromuscular Disorders	Claritas Genomics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Pediatric Solid Tumors Panel	Invitae		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Percepta Bronchial Genomic Classifier	Veracyte, Inc	Any		Experimental, Investigational or Unproven	#REF!
Periodic Fever/Autoinflammatory Disorders NGS Panel	Fulgent Therapeutics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
PerioPredict® (AKA Ilustra Genetic Risk Test)	Interleukin Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
PersonaGene Panel	AlBio Tech		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Personalized Medication Panel	UpFront Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Personalized Medicine Panel	AlBio Tech		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Personalized Medicine Panel	Alpha Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Personalized Medicine Panel	Genetworx		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Personalized Pharmacogenomics Evaluation	CompanionDX		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGC/PCC Panel	GeneDx				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
PGLNext Panel	Ambry Genetics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
PGT test /Millennium PGT	Millennium Health, LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGX Comprehensive Pharmacogenetic Panel	Cequentia		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGx Pharmacogenetic Panel	Lineagen, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGXCardio	Admera Health		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGxl Multi-Drug Sensitivity Panel	PGXL Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGXOnco	Amera Health		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGxOne Plus Pharmacogenomics Test	Admera Health		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PGXPsych	Admera Health		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PharmacoDx	GeneDx		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Comprehensive, Oral Swab	Empire City Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Medical Management Panel	High Desert Diagnostic Laboratory		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	El Paso Pain Clinic		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	Lineagen, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	MCI Diagnostic Center and Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	MD Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	Premier Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	Vantari Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetic Panel	X-Gene Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetics Comprehensive Panel	Gulfstream Genomics, LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetics Panel	Gulfstream Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenetics Panel	Predictive Medical Solutions		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Comprehensive Panel	NRLBH		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Drug Metabolism Panel	Kailos Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Individual Genes	MD Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Panel	G6 Genomics LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Panel	Premier Pathology LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Panel	Tennessee Valley Pain Clinic		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Panel/Comprehensive Pharmacogenetic Testing Panel	UTC Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic Panel/Comprehensive Pharmacogenetic Testing Panel	Medical DNA Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomic-Comprehensive Panel	Pathnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Pharmacogenomics Assay	Pathnostics Life Technologies		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Pharmacogenomics Panel	Absolute Diagnostics, LLC		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PharmacoScan Pharmacogenomic Testing	RPRD Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PharmaRisk Cardiac	Affiliated Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PharmaRisk Expanded	Affiliated Genetics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
P-LAP	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
PlasmaSELECT Test	Personal Genome Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Post-OP PX®	Aureon® Biosciences		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
PreciseType HEA	Immucor		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Precision Comprehensive Panel	Proteus		Any	Not Medically necessary	0500 Pharmacogenetic Testing
Premier Genomics Comprehensive Pharmacogenomic Panel	Premier Genomics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Preparent Exon Test	Progenity	Carrier Testing		Not Medically Necessary	#REF!
Preparent™ Carrier Screen - Global Panel	Progenity		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Preparent™ Carrier Screening Standard Panel	Progenity		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
PreSeek™	Baylor Miraca Genetics Laboratories		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Preventest	GeneID		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes;
Preventest (AKA GeneID Preventest)	United Toxicology LLC		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes;
Preventest (AKA Hereditest)	Cancer Care Genetics		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes;
Primary Antibody Deficiency Panel	Primary Children's Health Laboratory, Intermountain Laboratory Services, ARUP		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Primary Immunodeficiency and Primary Ciliary Dyskinesia	BluePrint Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Primary Immunodeficiency Panel	Blueprint		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Primary Immunodeficiency Panel	Invitae		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Progenity Trio Panel	Counsyl/Myriad Women's Health	Carrier Testing			0514 Genetic Testing for Reproductive Carrier Screening and
Progressive Myoclonic Epilepsy Panel	GeneDX		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
PROOVE Addiction Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Comprehensive Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Drug Metabolism and Comprehensive Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Fibromyalgia Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE MAT Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Non Opioid Response	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE NSAID Risk Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Opioid Risk and Response	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Pain Perception Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE Psychiatric Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE® Epidural w/Fentanyl Profile	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE® Opioid-Induced Side Effects Panel	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE® Psychiatric Risk and Response Panel	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE® Thromboembolism Profile Panel	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
PROOVE® TMD Profile Panel	Proove Biosciences/Proove Med Lab, Inc.		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Proportionate Short Stature/Small for Gestational Age Sequencing Panel	EGL Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Prostate Cancer Risk Panel	Mayo Clinic		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Prostate Specific Antigen (PSA)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
ProstateNext (14 genes)	Ambry Genetics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
ProstatePX+	Aureon® Biosciences		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
ProstaVysion®	Bostwick Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
PSMA (prostate specific membrane antigen)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
PsychiaGene Panel	AlBio Tech (American International Biotechnology)		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Psychiatric Dosing Panel	X-Gen Diagnostics		Any	Not Medically Necessary	0500 Pharmacogenetic Testing

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Psychiatry/ADHD	Alpha Genomix Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Psychiatry/ADHD	AmeriGene PGT		Any	Not Medically necessary	0500 Pharmacogenetic Testing
Qherit Expanded Carrier Screen	Quest Diagnostics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Randox KRAS, BRAF, PIK3CA* Array	Randox Laboratories, LTD		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Rapid Heme Panel	Brigham and Women's Molecular Diagnostic Laboratory		Any	Not Medically Necessary	Diagnostic Testing for
Reliant™ Comprehensive and Expanded Cancer Screening Panels	Counsyl		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Renal Cancer Panel	GeneDX		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Renal Panel	GeneDX		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Renal/Urinary Tract Cancer Profile	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
RenalNext (19 genes)	Ambry Genetics		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
RESPONSEcardio	Lab Solutions		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
ResponseDX: Tissue of Origin Test (AKA Tissue of Origin Test)	Response Genetics, Inc.		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular
RESPONSEpain	Lab Solutions		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
RESPONSEpsych/ADHD	Lab Solutions		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Retinal Dystrophy Panel (Plus)	Blueprnt Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
RhythmFirst	Ambry Genetics				0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
RhythmNext	Ambry Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
RhythmNext Reflex	Ambry Genetics		Any	Not Medically Necessary	0517 Genetic Testing for Hereditary Cardiomyopathies and Arrhythmias
Riscover Comprehensive Panel	Progenity		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
ROMA™ (Risk of Ovarian Malignancy Algorithm)	Fujirebio Diagnostics Inc.		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
ROS Gene Rearrangements	Multiple Labs	Used to detect specific ROS gene mutations	Non-Small Cell Lung Cancer	Medically Necessary for the indication listed	Diagnostic Testing for
RosettaGX Cancer Origin Test/Rosetta Cancer Origin Test™	Rosetta Genomics™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
RosettaGX Reveal Thyroid Classifier (mRNA classifier)	Rosetta Genomics™		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Rotterdam Signature 76-Panel	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
S 100 Tumor Marker	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Sarcoma Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
SCC-Ag (squamous cell carcinoma antigen)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
ScoliScore	Transgenomic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Select Carrier Screen Mutation Information (Inheritest)	Shiel Medical Laboratory		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
SelectMDx for Prostate Cancer	MDx Health		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SensiGene® RHD	Sequenom		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Sephardi-Mizrahi Jewish Carrier Screen	Mount Sinai Genomics/SEMA4		Any	Not Medically Necessary	Diagnostic Testing for
Skeletal Dysplasia Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
SLEX (sialyl Lewis x-antigen)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SLX (sialyl X)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SmartGenomics Complete Solid Tumor Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SmartGenomics HemeProfile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	Diagnostic Testing for Hematology/Oncology Indications
SmartGenomics Myeloid Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SmartGenomics Neurology Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	Diagnostic Testing for Hematology/Oncology Indications
SmartGenomics NGS Breast Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
SmartGenomics NGS Colon Cancer Panel	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	Diagnostic Testing for Hematology/Oncology Indications

Genetic Testing Collateral Document

Effective Date: 02/20/2020



SmartGenomics NGS Lung Panel	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics				0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
SmartGenomics NGS Lymphoid Test	Associated Pathologists LLC		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
SmartGenomics NGS Myeloid Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
SmartGenomics NGS Thyroid Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
SmartGenomics Solid Tumor Profile	Associated Pathologists LLC-Mayo Medical Laboratories Genetics and Pharmacogenomics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Solid SNAPSHOT Assay, SNaPshotNGS-V1 Assay	Massachusetts General Hospital (MGH)		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Solid Tumor Actionable Mutation Panel (STAMP)	Stanford Hospital and Clinics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Solid Tumor Cancer Gene Panel (NGS)	Mayo Medical Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Solid Tumor Gene Set	Washington University Genomics and Pathology Services		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Solid Tumor Mutation Panel Next Generation Sequencing	ARUP Laboratories		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Solid Tumor Panel (22 genes)	SiParadigm, LLC		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Somatic Overgrowth Gene Set	Washington University Genomics and Pathology Services		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Spastic Paraplegia Next Generation Sequencing Panel	MNG Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Spondylo-Epi-Metaphyseal Dysplasias	Connective Tissue Gene Tests (CTGT)		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Spot-Light® HER2 CISH™	Invitragen Corp		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Sunset Panel	Sunset Labs		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Super Plus Panel	NxGen MDx		Any	Not Medically Necessary	Reproductive Carrier Screening and Prenatal Diagnostic
SureGene Test for Antipsychotic and Antidepressant Response® Gene Panel (STAR2)	PGXL Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
SureGene™	Clinical Reference® Laboratory		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
SYMGENE 68 Next Generation Cancer Sequencing Panel	Symbiodx/CellNetix®		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Syndromic Autism Panel	Greenwood Genetic Center		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Syndromic Macrocephaly Overgrowth Panel	GeneDx		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
TA-90	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TargetPrint®	Agendia		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TATI (tumor-associated trypsin inhibitor)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Tempus xO/xO Onco Seq Panel	Tempus Labs		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Tempus xT	Tempus Labs		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TheraMap	Navican Genomics Inc		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TheraPrint™	Agendia		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Theros H:1™	bioTheranostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
Thrombocytopenia Panel	Versiti Labs/Blood Center of Wisconsin		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Thrombophilia IDgenetix	Althea DX Inc		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Thrombophilia Risk Factors	Southwest Laboratories		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
ThyGenX	Interpace Diagnostics	Genetic risk panel that analyzes eight genes to assess the cancer risk of thyroid nodules for papillary and follicular thyroid carcinoma	Cytologically Indeterminate Thyroid Nodules	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
ThyraMir (Interpace Diagnostics, out of network)		Gene expression classifier test which analyzes the expression level of ten microRNAs in a thyroid nodule sample.	Cytologically Indeterminate Thyroid Nodules	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Thyroid Cancer Panel	Invitae		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Tissue of Origin Test (AKA ResponseDX: Tissue of Origin Test)	Cancer Genetics, Inc. (CGI)		Any	Experimental, Investigational or Unproven	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Total Blueprint Panel	Baylor Miraca Genetics Laboratories		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
TPA (tissue polypeptide antigen)	Multiple		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TreatmentMAP Panel	Molecular Health		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for

Genetic Testing Collateral Document

Effective Date: 02/20/2020



Trio Whole Genome Sequencing	Baylor Miraca		Any	Not Medically Necessary	Genome Sequencing
True Health Panel	True Health Diagnostics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Truquant BR radioimmunoassay (RIA)	Biomira Diagnostics, Inc., out of network	Measures the level of CA 27.29	Metastatic Breast Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular
TruSeq Amplicon Thyroid Panel	Laboratory of Personalized Genomic Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
TruSight Cancer Predisposition panel	myGenomics/Science Exchange		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Tumor Sequencing, 409 Gene Comprehensive Cancer Panel	Yale New Haven Hospital		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Tumor Testing Panel	Nebraska Medical Center		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
TumorBRAC Analysis®					0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for
TumorNext Lynch					0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes
Twins Zygosity PLA	Natera		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
UCSF500 Targeted Oncogene Panel	UCSF Clinical Cancer Genomics Laboratory		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Universal Carrier Panel	Insight Medical Genetics		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Universal Genetic Test	Enzo Clinical Labs		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Universal Panel	NxGen MDx		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Universal Panel 3.0 Expanded Carrier Screening	Insight Medical Genetics, LLC		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Universal Panel plus Thrombophilias	Enzo Clinical Labs		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
Universal Plus Genetics Test	Enzo Clinical Labs		Any	Not Medically Necessary	0514 Genetic Testing for Reproductive Carrier Screening and
UroloGene Panel	AlBio Tech		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
UroVysion™Bladder Cancer Kit	Vysis, Inc. Abbott Laboratories, out of network	Measures the number of copies of chromosomes 3, 7, and 17 and/or the loss of part of the short arm of chromosome 9 (9p21)	Bladder Cancer	Medically Necessary for the indication listed	0520 Tumor Profiling, Gene Expression Assays and Molecular Diagnostic Testing for Hematology/Oncology Indications
Uveal Melanoma Prognostic Test	Impact Genetics/LabCorp		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Uveal Melanoma Prognostic Test	LabCorp		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
UW-OncoPlex	University of Washington Medicine		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
Vectra DA	Transgenomic		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
VistaSeq Hereditary Cancer Panel	LabCorp		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes ;
Vita Risk for Age-Related Macular Degeneration (AMD)	ArcticDx Inc		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
Womens Hereditary Cancer Assessment Panel and Comprehensive Pharmacogenetic Panel	Origen Laboratories		Any	Not Medically Necessary	0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes;
XLID/Autism Panel	Children's National Medical Center		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
X-Linked Intellectual Disability (XLID) Panel/NGS X-Linked Intellectual Disability (XLID) Panel	Greenwood Genetics		Any	Not Medically Necessary	0052 Genetic Testing for Hereditary and Multifactorial Conditions
Xpresys Lung	Integrated Diagnostics		Any	Not Medically Necessary	0520 Tumor Profiling, Gene Expression Assays and Molecular
YouScript Analgesic	Genelex Corporation		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
YouScript Cardio	Genelex Corporation		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
YouScript Polypharmacy Basic	Genelex Corporation		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
YouScript Psychotropic Plus	Genelex Corporation		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
YouScript® Personalized Prescribing System	Genelex Corporation		Any	Not Medically Necessary	0500 Pharmacogenetic Testing
					0518 Genetic Testing for Hereditary Cancer Susceptibility Syndromes