

# MEDICAL POLICY STATEMENT GEORGIA MARKETPLACE PLANS Policy Name Policy Number Genetic Testing, Genetic Screening and Genetic Counseling MM-0874 01/01/2020 Policy Type MEDICAL Administrative Pharmacy Reimbursement

Medical Policy Statement prepared by CSMG Co. and its affiliates (including CareSource) are derived from literature based on and supported by clinical guidelines, nationally recognized utilization and technology assessment guidelines, other medical management industry standards, and published MCO clinical policy guidelines. Medically necessary services include, but are not limited to, those health care services or supplies that are proper and necessary for the diagnosis or treatment of disease, illness, or injury and without which the patient can be expected to suffer prolonged, increased, or new morbidity, impairment of function, dysfunction of a body organ or part, or significant pain and discomfort. These services meet the standards of good medical practice in the local area, are the lowest cost alternative, and are not provided mainly for the convenience of the member or provider. Medically necessary services also include those services defined in any Evidence of Coverage documents, Medical Policy Statements, Provider Manuals, Member Handbooks, and/or other policies and procedures.

Medical Policy Statements prepared by CSMG Co. and its affiliates (including CareSource) do not ensure an authorization or payment of services. Please refer to the plan contract (often referred to as the Evidence of Coverage) for the service(s) referenced in the Medical Policy Statement. If there is a conflict between the Medical Policy Statement and the plan contract (i.e., Evidence of Coverage) will be the controlling document used to make the determination.

#### **Table of Contents**

Α.	Subject	2
	Background	
	Definitions	
	Policy	
	Conditions of Coverage	
	Related Polices/Rules	
G.	Review/Revision History	13
	References	

Effective Date: 01/01/2020



Genetic Testing, Genetic Screening and Genetic Counseling

## B. Background

Recent advancements in our understanding of the human genome have contributed to the rapid expansion of identified genetic mutations. Supported by new technologies and commercially available measurement tools, there are now ever-expanding numbers of genetic assays available for genetic screening and genetic testing. In some clinical situations, the results from testing can be of significant assistance in diagnosis, prevention, therapeutic treatment, or monitoring of conditions. This emerging field is divided into three categories – Genetic Counseling, Genetic Screening, and Genetic Testing.

#### **GENETIC COUNSELING:**

Genetic counseling is the process of education and recommendations provided by independent genetic professionals discerned from familial and medical histories to those at risk or currently having a genetic disease, to allow them to make informed decisions as well as gaining understanding of the effects of the disease. Genetic counseling is an integral component of the creation of a genetic testing environment that is informative and supportive to patients, both before and after they undergo testing. As outlined in the current edition of the MCG Care Guidelines, genetic counseling plays an essential role in genetic testing and is required as part of its pre-certification.

A genetic counseling consultation <u>prior</u> to actual testing involves evaluation of an individual or family for one or more of the following:

- diagnosing, confirming, or eliminating the existence of an inheritable genetic condition as well as assessing any risks versus benefits
- identifying medical management issues including modes of transmission, patterns of inheritance, treatment of disorders, evaluation, calculation, and communication of genetic risks, and potential of inheritance
- prospective evaluation of available genetic tests and education about alternatives
- explanation of complex clinical information to ensure informed decisions as well as promoting understanding of potential ethical, legal, and psychosocial implications

A genetic counseling consultation <u>subsequent</u> to genetic testing involves one or more of the following:

- ensuring appropriate interpretation and communication of testing results
- counseling to assist in any necessary adaptation to medical risks or conditions
- coordinating any necessary provider care and support of patient and family

#### **GENETIC SCREENING:**

Genetic screening is the process used to uncover genetic disorders or the potential for transmission of genetic disorders in specific populations determined to be at risk. Genetic screening uses a set of diagnostic tests that are not as rigid as those employed



Effective Date: 01/01/2020

in genetic testing. Genetic screening is a population-based method intending to find whom in the population is a carrier and/or has risk of getting a specific disease. Genetic screening uses simple medical diagnostic tests. In addition, as opposed to actual genetic testing, with genetic screening, individuals are asymptomatic. Generally, the next step following screening, if warranted, is actual diagnostic testing.

### **GENETIC TESTING:**

Genetic testing, for clinical purposes, is analysis of human DNA, RNA, chromosomes, proteins, or certain metabolites in order to detect alterations or disease-related genotypes, mutations, phenotypes or karyotypes related to a heritable or acquired disorder. There are currently more than 6,000 genetic disorders identified and nearly 2,000 genetic tests currently in use today that are performed through a variety of methods including cytogenetic testing (examination of chromosomes and their abnormalities), biochemical testing (examination of proteins rather than genes), and molecular (direct examination of DNA or RNA).

#### C. Definitions

- Analytic Validity: the result of how well a genetic test measures the intended properties or characteristics being tested
- Clinical Validity: how well the genetic variant being analyzed is related to the presence, absence, or risk of a specific disease
- Clinical Utility: whether the test can provide information regarding diagnosis, treatment, management, or prevention of a disease or condition that will be helpful to a consumer
- Clinical Laboratory Improvement Amendments (CLIA): ffederal regulatory standards from 1988 applying to all clinical laboratory testing performed on humans in the US for the purpose of providing information for diagnosis, prevention or treatment of disease (excludes clinical trials and basic research)
- College of American Pathologists (CAP): an organization of certified pathologists providing accreditation and quality assurance to clinical laboratories
- Diagnostic Testing: the process of examination of specimens and results reported to providers or patients for the purpose of confirmation of diagnosis and identification of causes of a disease, as well as influencing an individual's choice about healthcare, lifestyle and disease or condition management
- Genetic Mutation: an alteration of a chromosome, gene, or protein from its natural state
- Genetic Panel Testing: an evaluation of many genes simultaneously and have been
  developed for numerous indications, including hereditary cancer risk assessment,
  pharmacogenetics, and diagnosis of congenital disorders. Many panel tests include
  genes that do not have demonstrated clinical utility for their testing
- National Comprehensive Cancer Network (NCCN): a not-for-profit alliance of 28 leading cancer centers focused on patient care, research, and education, whose mission is for the improvement of the quality, effectiveness, and efficiency of cancer care



Effective Date: 01/01/2020

- Prenatal Testing: testing prior to birth, to identify changes in genes or chromosomes in embryos or fetuses to identify any potential genetic or chromosomal disorders
- Prenatal Screening: a non-invasive process of analysis using maternal blood to identify the risk of a woman carrying a fetus with a chromosome abnormality or birth defect

### D. Policy

- I. Prior Authorization
  - A. Prior Authorization for genetic testing IS required
  - B. Prior Authorization for genetic counseling is not required
- II. Genetic Testing: CareSource will review for medical necessity and approve genetic testing based on all of the criteria below found under ONE of the following situations:
  - A. Published MCG policy with endorsed inclusion criteria meeting all of the following:
    - 1. Documentation of an assessment based on the relevant MCG Guideline AND
    - The quality, safety, statistical validity, and clinical validity is scientifically supported in medical literature as endorsed by inclusion criteria of the relevant MCG Guideline AND
    - 3. Genetic counseling has been performed, as indicated by documentation supporting ALL of the following items listed below:
      - a. Counseling is provided by a healthcare professional (as defined below) with education and training in genetic issues relevant to the genetic tests under consideration, AND
      - b. Counselor is free of commercial bias and discloses all (potential and real) financial and intellectual conflicts of interest, AND
      - c. Process involves individual or family and is comprised of ALL of the following:
        - 01. Calculation and communication of genetic risks after obtaining 3generation family history AND
        - 02. Discussion of natural history of condition in question, including role of heredity AND
        - 03. Discussion of possible impacts of testing (e.g., psychological, social, limitations of nondiscrimination statutes) AND
        - 04. Discussion of possible test outcomes (i.e., positive, negative, variant of uncertain significance) AND
        - 05. Explanation of potential benefits, risks, and limitations of testing AND
        - 06. Explanation of purpose of evaluation (e.g., to confirm, diagnose, or exclude genetic condition) AND
        - 07. Identification of medical management issues, including available prevention, surveillance, and treatment options and their implications AND
        - 08. Written documentation that the patient has provided informed consent to the testing as evidenced by a statement detailing how the test results will affect the patient's medical management
  - B. Published MCG policy where the Current Role Remains Uncertain:
    - 1. In the case of these policies, based on existing evidence, where currently there are no clinical indications for this technology and insufficient evidence exists to support their use in guiding clinical decision making, genetic testing



Genetic Testing, Genetic Screening, and Genetic Counseling GEORGIA MARKETPLACE PLANS

MM-0874

Effective Date: 01/01/2020

under these circumstances is approved as a covered medically necessary health benefit when ALL of the following criteria are met:

- Documentation of assessment of patient risk factors and/or symptoms related to the particular genetic disease or disorder being tested (including relevant family history) AND
- Genetic counseling has been performed in conformance with MCG guidelines AND
- c. Documentation that the patient has provided informed consent to the testing as evidenced by a statement detailing how the test results will affect the patient's medical management, AND
- d. Analytic validity, clinical validity, and clinical utility of the test or panel of tests, can be established through evidence based and literature supported guidelines by nationally recognized technology organizations such as the National Comprehensive Cancer Network (NCCN)
- C. No Published MCG Policy:
  - Where the most current version of the MCG Care Guidelines contains no published MCG policy for the genetic test and/or genetic panels, testing may be approved only when ALL of the following criteria are met:
    - Documentation of assessment of patient risk factors and/or symptoms related to the particular genetic disease or disorder being tested (including relevant family history) AND
    - Genetic counseling has been performed in conformance with MCG guidelines AND
    - Documentation that the patient has provided informed consent to the testing as evidenced by a statement detailing how the test results will affect the patient's medical management, AND
    - d. Analytic validity, clinical validity, and clinical utility of the test or panel
      of tests, can be established through evidence based and literature
      supported guidelines by nationally recognized technology
      organizations such as the National Comprehensive Cancer Network
      (NCCN)

NOTE: The healthcare professional providing counseling must be one of the following: an independent board-certified or board-eligible medical geneticist, a board-certified MD medical geneticist, or a genetic nurse credentialed as either a Genetic Clinical Nurse (GCN) or an Advanced Practice Nurse in Genetics (APGN) and not employed by a commercial genetic testing laboratory. Qualified health professionals are not excluded if employed by or contracted with a laboratory part of an integrated health system that routinely delivers health care services beyond simply laboratory tests themselves. The clinical testing laboratory must be accredited by CLIA or CAP, the State and/or other applicable accrediting agencies.

### III. Once Per Lifetime Testing

A. Absent specific evidence regarding advances in the body of knowledge of mutation characteristics for a particular disease or disorder, a genetic test will be covered only once per lifetime of a member.

Table A – Current as of June 26, 2019



MCG Policy #	Policy # MCG Policy Title Genes and Gene Panels	
ACG: A-0499	Breast or Ovarian Cancer, Hereditary	BRCA1, BRCA2
ACG: A-0504	·	
ACG: A-0532	Breast Cancer Gene Expression	
	Assays	
ACG: A-0533	Lynch Syndrome	EPCAM, MLH1, MSH2, MSH6, and PMS2 Genes
ACG: A-0534	Familial Adenomatous Polyposis	APC Gene
ACG: A-0535	Paraganglioma-Pheochromocytoma Syndromes, Hereditary	FH, MAX, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, and VHL Genes
ACG: A-0581	Neurofibromatosis	NF1 Gene
ACG: A-0582	Multiple Endocrine Neoplasia (MEN) Syndrome	MEN1 Gene
ACG: A-0583	Von Hippel-Lindau Syndrome	VHL Gene
ACG: A-0584	Li-Fraumeni Syndrome	TP53 Gene
ACG: A-0585	Cowden Syndrome	PTEN Gene
ACG: A-0586	Retinoblastoma	RB1 Gene
ACG: A-0587	Warfarin Pharmacogenetics	CYP2C9, VKORC1, and CYP4F2 Genes
ACG: A-0588	Chromosomal Microarray Analysis (CMA) - Autism Spectrum Disorders	
ACG: A-0590	Alzheimer Disease (Early Onset)	APP, PSEN1 and PSEN2 Genes
ACG: A-0591	Amyotrophic Lateral Sclerosis (ALS)	C9orf72 and SOD1 Genes
ACG: A-0592	Ashkenazi Jewish Genetic Panel	
ACG: A-0593	Ataxia-Telangiectasia	ATM Gene
ACG: A-0594	Brugada Syndrome	Channelopathy genes
ACG: A-0595	Canavan Disease	ASPA Gene
ACG: A-0596	Deafness and hearing loss, nonsyndromic	GJB2, GJB6, MT-RNR1, MT-TS1, POU3F4, PRPS1, and SMPX Genes
ACG: A-0597	Cystic Fibrosis	CFTR Gene and Mutation Panel
ACG: A-0598	Diabetes Mellitus (Maturity – Onset	ABCC8, APPL1, BLK, CEL, GCK,
A00. A-0330	Diabetes of the Young)	HNF1A, HNF1B, HNF4A, INS, KCNJ11, KLF11, NEUROD1, PAX4, PDX1 Genes
ACG: A-0599 Hemochromatosis		HFE Gene
ACG: A-0600	Factor V Leiden Thrombophilia	F5 Gene
ACG: A-0601	Malignant Melanoma (Cutaneous)	BAP1, CDK4, and CDKN2A Genes
ACG: A-0602	Fragile X Syndrome	FMR1 Gene
ACG: A-0603	Gaucher Disease	GBA Gene
ACG: A-0604	Hemoglobin C and E	HBB Gene
ACG: A-0605	Huntington Disease	HTT Gene
ACG: A-0606	Lesch-Nyhan Syndrome	HPRT1 Gene



ACG: A-0607  ACG: A-0608  Muscular Dystrophies (Duchenne, Becker)  ACG: A-0609  Myotonic Dystrophy, Type 1  ACG: A-0609  Myotonic Dystrophy, Type 1  ACG: A-0610  Neuroblastoma  ACG: A-0611  ACG: A-0611  Niemann-Pick Disease (Acid Sphingomyelinase Deficiency)  ACG: A-0612  Prostate Cancer  ACG: A-0613  ACG: A-0614  Tay-Sachs Disease and Variants  ACG: A-0615  ACG: A-0616  ACG: A-0616  ACG: A-0617  Milms Tumor  ACG: A-0621  ACG: A-0621  ACG: A-0621  ACG: A-0621  ACG: A-0624  ACG: A-0624  ACG: A-0625  ACG: A-0626  ACG: A-0626  ACG: A-0627  Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0630  ACG: A-0630  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0630  ACG: A-0630  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0630  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0631  ACG: A-0630  ACG: A-0631  ACG: A-0631		<u> </u>	Effective Date: 01/01/2020
ACG: A-0608 Muscular Dystrophies (Duchenne, Becker) ACG: A-0609 Myotonic Dystrophy, Type 1 DMPK Gene ACG: A-0610 Neuroblastoma ALK, MYCN, and PHOX2B Genes and Gene Expression Profiling ACG: A-0611 Niemann-Pick Disease (Acid Sphingomyelinase Deficiency) ACG: A-0612 Prostate Cancer BRCA1 BRCA2 Genes ACG: A-0613 Prothrombin Thrombophilia F2 Gene ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene ACG: A-0615 Wilms Tumor WT1 Gene ACG: A-0620 Heart Transplant Rejection Gene Expression Profiling (AlloMap) ACG: A-0621 Irinotecan Pharmacogenetics UGT1A1 Gene ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene ACG: A-0626 Azathioprine and 6-Mercaptopurine Pharmacogenetics ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0630 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0631 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0638 BRCA Uncommonduplication or deletion variants (large gene rearrangements) ACG: A-0646 Pancreatitis, Hereditary CFR, CFR, CFA1, CTRC, PRSS1, and SPINLK1 Gene ACG: A-0647 Tamoxifen Pharmacogenetics HLA Testing ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0649 Carbamazepine Pharmacogenetics Gene Expression Assays ACG: A-0653 Rasburicase Pharmacogenetics Gene Expression Testing ACG: A-0651 Colon Cancer Gene Expression ACG: A-0653 Rasburicase Pharmacogenetics Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics GePD Gene	ACG: A-0607		KCNE1 and KCNQ1 Genes
Becker)  ACG: A-0609 Myotonic Dystrophy, Type 1 DMPK Gene  ACG: A-0610 Neuroblastoma ALK, MYCN, and PHOX2B Genes and Gene Expression Profiling  ACG: A-0611 Niemann-Pick Disease (Acid Sphingomyelinase Deficiency)  ACG: A-0612 Prostate Cancer BRCA1and BRCA2 Genes  ACG: A-0613 Prothrombin Thrombophilia F2 Gene  ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene  ACG: A-0615 Wilms Tumor WT1 Gene  ACG: A-0616 Wilms Tumor WT1 Gene  ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene  ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene  ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0638 BRCA Uncommonduplication or deletion variants (large gene rearrangements)  ACG: A-0638 BRCA Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics CYP2D6 Gene  ACG: A-0652 Coronary Artery Disease Gene Expression Concotype DX  Assays  ACG: A-0653 Rasburicase Pharmacogenetics GePD Gene	^CC: ^-0608		DMD Gono
ACG: A-0609 Myotonic Dystrophy, Type 1 DMPK Gene ACG: A-0610 Neuroblastoma ALK, MYCN, and PHOX2B Genes and Gene Expression Profiling ACG: A-0611 Niemann-Pick Disease (Acid Sphingomyelinase Deficiency) ACG: A-0612 Prostate Cancer BRCA1 and BRCA2 Genes ACG: A-0613 Prothrombin Thrombophilia F2 Gene ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene ACG: A-0615 Wilms Tumor WT1 Gene ACG: A-0620 Heart Transplant Rejection Gene Expression Profiling (AlloMap) ACG: A-0621 Irinotecan Pharmacogenetics UGT1A1 Gene ACG: A-0622 Arrhythmogenic Right Ventricular Cardiomyopathy ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics ACG: A-0629 Hyperhomocysteinemia MTHFR Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping) ACG: A-0631 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0638 BRCA Uncommondate Trends and SPINK1 Gene ACG: A-0648 Pancreatitis, Hereditary TRDNGenes ACG: A-0649 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene ACG: A-0649 Carbamazepine Pharmacogenetics CYP2D6 Gene ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0651 Colon Cancer Gene Expression Assays ACG: A-0652 Coronary Artery Disease Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics Gene			DIVID Gene
ACG: A-0610  Neuroblastoma  ACG: A-0611  Niemann-Pick Disease (Acid Sphingomyelinase Deficiency)  ACG: A-0612  Prostate Cancer  ACG: A-0613  Prothrombin Thrombophilia  ACG: A-0614  Tay-Sachs Disease and Variants  ACG: A-0615  ACG: A-0615  Heart Transplant Rejection Gene Expression Profiling (AlloMap)  ACG: A-0624  Irinotecan Pharmacogenetics  ACG: A-0627  Arythhmogenic Right Ventricular Cardiomyopathy  ACG: A-0628  ACG: A-0629  ACG: A-0629  ACG: A-0630  Platelet-rich plasma  ACG: A-0631  Clopidogrel Pharmacogenetics  ACG: A-0632  ACG: A-0633  Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0636  ACG: A-0636  ACG: A-0637  ACG: A-0638  BRCA —  ACG: A-0638  BRCA —  ACG: A-0640  ACG: A-0644  ACG: A-0644  ACG: A-0645  ACG: A-0645  ACG: A-0645  ACG: A-0646  ACG: A-0646  ACG: A-0647  ACG: A-0648  ACG: A-0649  Carbamazepine Pharmacogenetics  ACG: A-0651  ACG: A-0649  ACG: A-0649  ACG: A-0649  ACG: A-0649  ACG: A-0649  ACG: A-0651  ACG: A-0651  ACG: A-0651  ACG: A-0652  ACG: A-0653  ACG: A-0653  ACG: A-0654  ACG: A-0654  ACG: A-0655  ACG: A	VCC: V 0600	†	DMPK Gono
ACG: A-0611 Niemann-Pick Disease (Acid Sphingomyelinase Deficiency)  ACG: A-0612 Prostate Cancer BRCA1and BRCA2 Genes  ACG: A-0613 Prothrombin Thrombophilia F2 Gene  ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene  ACG: A-0615 Wilms Tumor Wi			
ACG: A-0611 Niemann-Pick Disease (Acid Sphingomyelinase Deficiency)  ACG: A-0612 Prostate Cancer BRCA1and BRCA2 Genes  ACG: A-0613 Protrombin Thrombophilia F2 Gene  ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene  ACG: A-0615 Wilms Tumor WT1 Gene  ACG: A-0620 Heart Transplant Rejection Gene Expression Profiling (AlloMap)  ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene  ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmacogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0631 Clopidogrel Pharmacogenetics CyP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0636 Catecholaminergic Polymorphic Cardiomyopathy, Nonsymdromic  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0640 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics GePD Gene	ACG. A-0010	Neurobiastoma	
Sphingomyelinase Deficiency)  ACG: A-0612  Prostate Cancer  ACG: A-0613  Prothrombin Thrombophilia  ACG: A-0614  Tay-Sachs Disease and Variants  ACG: A-0615  Wilms Tumor  ACG: A-0623  Heart Transplant Rejection Gene Expression Profiling (AlloMap)  ACG: A-0624  Irinotecan Pharmacogenetics  ACG: A-0627  Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628  Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629  ACG: A-0630  Platelet-rich plasma  ACG: A-0631  ACG: A-0630  ACG: A-0632  ACG: A-0631  ACG: A-0632  ACG: A-0633  Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636  ACG: A-0636  ACG: A-0637  ACG: A-0638  BRCA -  Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646  Pancreatitis, Hereditary  ACG: A-0647  ACG: A-0648  Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649  Carbamazepine Pharmacogenetics  CYP2D6 Gene  ACG: A-0649  Carbamazepine Pharmacogenetics  HLA Testing  Oncotype DX  ACG: A-0651  ACG: A-0651  Colon Cancer Gene Expression ACG: A-0652  ACG: A-0653  Rasburicase Pharmacogenetics  Gene Expression Testing ACG: A-0653  Rasburicase Pharmacogenetics  Gene Expression Testing ACG: A-0653  Rasburicase Pharmacogenetics  GePD Gene	ACC: A 0611	Niemann Diek Diegogo (Asid	
ACG: A-0612 Prostate Cancer BRCA1and BRCA2 Genes ACG: A-0613 Prothrombin Thrombophilia F2 Gene ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene ACG: A-0615 Wilms Tumor WT1 Gene ACG: A-0623 Heart Transplant Rejection Gene Expression Profiling (AlloMap) ACG: A-0624 Irinotecan Pharmacogenetics ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics ACG: A-0629 Hyperhomocysteinemia MTHFR Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping) ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia ACG: A-0638 BRCA Uncommon duplication or deletion variants (large gene rearrangements) ACG: A-0646 Pancreatitis, Hereditary ACG: A-0647 Tamoxifen Pharmacogenetics ACG: A-0649 Carbamazepine Pharmacogenetics ACG: A-0649 Carbamazepine Pharmacogenetics ACG: A-0651 Colon Cancer Gene Expression ACG: A-0652 Coronary Artery Disease ACG: A-0653 Rasburicase Pharmacogenetics ACG: A-0650 Gene	ACG. A-0011	•	NFC1, NFC2, and SWFD1, Genes
ACG: A-0613 Prothrombin Thrombophilia F2 Gene ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene ACG: A-0615 Wilms Tumor WT1 Gene ACG: A-0624 Heart Transplant Rejection Gene Expression Profiling (AlloMap) ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmacogenetics ACG: A-0629 Hyperhomocysteinemia MTHFR Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Integrated Molecular Pathology Testing (Topographic Genotyping) ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements) ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene ACG: A-0648 Carbamazepine Pharmacogenetics CYP2D6 Gene ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0651 Colon Cancer Gene Expression Assays ACG: A-0652 Coronary Artery Disease Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics GePD Gene	ΛCG: Λ-0612		RPCA1and RPCA2 Ganes
ACG: A-0614 Tay-Sachs Disease and Variants HEXA Gene ACG: A-0623 Wilms Tumor WT1 Gene Expression Profiling (AlloMap)  ACG: A-0624 Irinotecan Pharmacogenetics ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmacogenetics ACG: A-0629 Hyperhomocysteinemia MTHFR Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia  ACG: A-0637 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0646 Pancreatitis, Hereditary  ACG: A-0647 Tamoxifen Pharmacogenetics  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease ACG: A-0653 Rasburicase Pharmacogenetics  Gene Expression Acgene ARVC Gene ACG: A-0653 Rasburicase Pharmacogenetics  Gene Expression Testing  GETA, Gene  WT1 Gene  WT1 Gene  ARVC Genes  ARVC Genes  ARVC Genes  ARVC Genes  CYP2C19 Gene  ACHFR Gene  ARVC Genes  CYP2C19 Gene  CACHA, CASQ2, RYR2, and TRDNGenes  CALM1, CASQ2, RYR2, and TRDNGenes  CACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  CARTICAL ACG: A-0649 Carbamazepine Pharmacogenetics  CYP2D6 Gene  ACG: A-0649 Carbamazepine Pharmacogenetics  CACG: A-0650 Colon Cancer Gene Expression  ACG: A-0651 Gene Expression Testing  CACG: A-0653 Rasburicase Pharmacogenetics			
ACG: A-0615 Wilms Tumor WT1 Gene  Expression Profiling (AlloMap)  ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene  ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmacogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Carbamazepine Pharmacogenetics CYP2D6 Gene  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  GGPD Gene		·	
ACG: A-0623   Heart Transplant Rejection Gene Expression Profiling (AlloMap)   ACG: A-0624   Irinotecan Pharmacogenetics   UGT1A1 Gene   ACG: A-0627   Arrhythmogenic Right Ventricular Cardiomyopathy   ACG: A-0628   Azathioprine and 6-Mercaptopurine Pharmocogenetics   ACG: A-0629   Hyperhomocysteinemia   MTHFR Gene   ACG: A-0630   Platelet-rich plasma   ACG: A-0631   Clopidogrel Pharmacogenetics   CYP2C19 Gene   ACG: A-0632   Integrated Molecular Pathology Testing (Topographic Genotyping)   ACG: A-0633   Familial Hypertrophic Cardiomyopathy, Nonsymdromic   ACG: A-0636   Catecholaminergic Polymorphic Ventricular Tachycardia   TRDNGenes   ACG: A-0638   BRCA -   Uncommon duplication or deletion variants (large gene rearrangements)   ACG: A-0646   Pancreatitis, Hereditary   CFTR, CPA1, CTRC, PRSS1, and SPINK1   Gene   ACG: A-0647   Tamoxifen Pharmacogenetics   CYP2D6 Gene   ACG: A-0648   Familial Dilated Cardiomyopathy, Nonsyndromic   ACG: A-0649   Carbamazepine Pharmacogenetics   CYP2D6 Gene   ACG: A-0640   Carbamazepine Pharmacogenetics   HLA Testing   ACG: A-0651   Colon Cancer Gene Expression   Acg: A-0652   Coronary Artery Disease   Gene Expression Testing   ACG: A-0653   Rasburicase Pharmacogenetics   GePD Gene		†	
Expression Profiling (AlloMap)  ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene  ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics CYP2D6 Gene  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics GePD Gene			vvii Gene
ACG: A-0624 Irinotecan Pharmacogenetics UGT1A1 Gene ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmacogenetics ACG: A-0629 Hyperhomocysteinemia MTHFR Gene ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping) ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements) ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0623	1	
ACG: A-0627 Arrhythmogenic Right Ventricular Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	A C C : A C C C 4	1	LICTARA Como
Cardiomyopathy  ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629 ACG: A-0630 Platelet-rich plasma ACG: A-0631 Clopidogrel Pharmacogenetics  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 ACG: A-0637 ACG: A-0638 ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0640 Pancreatitis, Hereditary  CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 ACG: A-0648 ACG: A-0648 ACG: A-0649 Carbamazepine Pharmacogenetics  ACG: A-0649 Carbamazepine Pharmacogenetics ACG: A-0651 Colon Cancer Gene Expression ACG: A-0652 Coronary Artery Disease ACG: A-0653 Rasburicase Pharmacogenetics GGPD Gene		†	
ACG: A-0628 Azathioprine and 6-Mercaptopurine Pharmocogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic Ventricular Tachycardia TRDNGenes  ACG: A-0636 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0640 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0627		ARVC Genes
Pharmocogenetics  ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0640 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACC: A 0628		TDMT Cons
ACG: A-0629 Hyperhomocysteinemia MTHFR Gene  ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG. A-0026		Trivit Gene
ACG: A-0630 Platelet-rich plasma  ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0629		MTHFR Gene
ACG: A-0631 Clopidogrel Pharmacogenetics CYP2C19 Gene  ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic Nonsyndromic  ACG: A-0651 Colon Cancer Gene Expression ASSays  ACG: A-0652 Coronary Artery Disease ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0632 Integrated Molecular Pathology Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary  ACG: A-0647 Tamoxifen Pharmacogenetics  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease  ACG: A-0653 Rasburicase Pharmacogenetics  Garcomere Genes  CALM1, CASQ2, RYR2, and TRDNGenes  CALM1, CASQ2, RYR2, an		·	CYP2C19 Gene
Testing (Topographic Genotyping)  ACG: A-0633 Familial Hypertrophic Cardiomyopathy, Nonsymdromic  ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic HLA Testing  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0632	† · · · · · · · · · · · · · · · · · · ·	PathFinderTG
Cardiomyopathy, Nonsymdromic  ACG: A-0636		Testing (Topographic Genotyping)	
ACG: A-0636 Catecholaminergic Polymorphic Ventricular Tachycardia TRDNGenes  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0633	Familial Hypertrophic	Sarcomere Genes
Ventricular Tachycardia  ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene		Cardiomyopathy, Nonsymdromic	
ACG: A-0638 BRCA — Uncommon duplication or deletion variants (large gene rearrangements)  ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0636	Catecholaminergic Polymorphic	CALM1, CASQ2, RYR2, and
ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene		Ventricular Tachycardia	TRDNGenes
ACG: A-0646 Pancreatitis, Hereditary CFTR, CPA1, CTRC, PRSS1, and SPINK1 Gene  ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0638   BRCA –		I
ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0646 Pancreatitis, Hereditary		
ACG: A-0647 Tamoxifen Pharmacogenetics CYP2D6 Gene  ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0648 Familial Dilated Cardiomyopathy, Nonsyndromic Nonsyndromic  ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0647 Tamovifon Pharmacogonatics		
ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0649 Carbamazepine Pharmacogenetics HLA Testing  ACG: A-0651 Colon Cancer Gene Expression     Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG. A-0046		Nonsyndionic
ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene		Nonsyndronic	
ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0651 Colon Cancer Gene Expression Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene	ACG: A-0649	Carbamazepine Pharmacogenetics	HLA Testing
Assays  ACG: A-0652 Coronary Artery Disease Gene Expression Testing  ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene			
ACG: A-0653 Rasburicase Pharmacogenetics G6PD Gene		<u> </u>	
	ACG: A-0652	Coronary Artery Disease	Gene Expression Testing
ACG: A-0656   Coronary Artery Disease   KIF6 Gene	ACG: A-0653	Rasburicase Pharmacogenetics	G6PD Gene
	ACG: A-0656	Coronary Artery Disease	KIF6 Gene



ACG: A-0657	Coronary Artery Disease	9p21 Allele
ACG: A-0658	Coronary Artery Disease Genetic	
	Panel	
ACG: A-0659	Spinal Muscular Atrophy	SMN1 and SMN2 Genes
ACG: A-0665	5-Fluorouracil Pharmacogenetics	DPYD, MTHFR, and TYMS Genes
ACG: A-0668	CADASIL (Cerebral Autosomal	NOTCH3 Gene
	Dominant Arteriopathy with	
	Subcortical Infarcts and	
	Leukoencephalopathy)	
ACG: A-0669	Myeloproliferative Neoplasms	JAK2 Gene
ACG: A-0670	Melanoma (Uveal)	Gene Expression Profiling
ACG: A-0671	Parkinson Disease	ATP13A2, GBA, LRRK2, PARK7,
		PINK1, SNCA and VPS35 Genes
ACG: A-0672	Telomere Analysis	
ACG: A-0673	Cancer of Unknown Primary	Gene Expression Profiling
ACG: A-0681	Maple Syrup Urine Disease - Type 1	BCKDHA, BCKDHB, and DBT Genes
	or Type 2	
ACG: A-0682	Bloom Syndrome	BLM Gene
ACG: A-0683	Fanconi Anemia	FANC and gene panel
ACG: A-0684	Glycogen Storage Disease, Type 1	G6PC and SLC37A4 Genes
ACG: A-0685	Familial Dysautonomia	ELP1 Gene
ACG: A-0686	Mucolipidosis IV	MCOLN1 Gene
ACG: A-0687	Rett Syndrome	CDKL5, FOXG1 and MECP2 Genes
ACG: A-0688	Von Willebrand Disease	VWF Gene
ACG: A-0689	Familial Mediterranean Fever	MEFV Gene
ACG: A-0690	Malignant Hyperthermia Susceptibility	CACNA1S, RYR1 Genes
ACG: A-0691 Charcot-Marie-Tooth Hereditary		EGR2, FBLN5, LITAF, MPZ, NEFL, and
Neuropathy, Type 1		PMP22Genes
ACG: A-0692 Psychotropic Medication		CYP450 Polymorphism
	Pharmacogenetics - CYP450	
	Polymorphisms and AmpliChip Panel	
ACG: A-0693	Proteomics (VeriStrat)	
ACG: A-0704	Hereditary Hemorrhagic	ACVRL1, ENG, GDF2, and SMAD4
	Telangiectasia	Genes
ACG: A-0705	MicroRNA Detection - Cancer	
ACG: A-0706	Septin 9 (SEPT9) DNA Methylation	
Testing		
ACG: A-0707	Prader-Willi Syndrome DNA	
Methylation Testing		
ACG: A-0708	Angelman Syndrome	UBE3A Gene
ACG: A-0709 Proteomics – Ovarian Cancer		OVA1
Biomarker Panel		
ACG: A-0710	Whole Genome/Exome Sequencing -	
100 1071	Cancer	0
ACG: A-0711 Thyroid Nodule		Gene Expression Testing



ACG: A-0724 Prostate Cancer Gene Expression Testing – Oncotype DX ACG: A-0724 Noninvasive Prenatal Testing (Cell-Free Fetal DNA) ACG: A-0725 Polycystic Kidney Disease (Autosomal Dominant) ACG: A-0759 Acute Lymphoblastic Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0760 Acute Promyelocytic Leukemia PML-RARA Fusion Gene Testing ACG: A-0762 Ankylosing Spondylitis HLAB27 ACG: A-0763 Asthma ADRB2 Gene ARTHORITORY DIsorder Medication Pharmacogenetics ACG: A-0764 Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics ACG: A-0765 Beckwith-Wiedemann Syndrome CDKN1C Gene ACG: A-0766 Breast Cancer (Hereditary) ACG: A-0767 Press Cancer (Hereditary) ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening ACG: A-0769 Cellac Disease HLA Testing ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0775 Colorectal Cancer (Hereditary) ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ACG: A-0778 Familial Hyperinsulinism ACG: A-0778 Familial Hyperinsulinism ACG: A-0779 Gastric Cancer (Hereditary) ACG: A-0770 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0771 Familial Hyperinsulinism ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0778 Gastric Cancer (Hereditary) CDH Gene ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0780 Gastriontestinal Stromal Tumor (GIST) ACG: A-0781 Hepatitis C Medication Pharmacogenetics Jouent Syndrome Gene Panel ACG: A-0783 Hepatitis C Medication Pharmacogenetics Jouent Syndrome Gene Panel ACG: A-0786 Malignant Melanoma BRAF V6000 ACG: A-0787 Malignant Melanoma BRAF V6000 ACG: A-0788 Marlan Syndrome FBNI Gene			Ellective Date. 01/01/2020
Free Fetal DNA)  ACG: A-0725 Polycystic Kidney Disease (Autosomal Dominant)  ACG: A-0759 Acute Lymphoblastic Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0760 Acute Promyelocytic Leukemia PML-RARA Fusion Gene Testing HLA-B27 Akrylosing Spondylitis HLA-B27 Akrylosing Spondylitis HLA-B27 ACG: A-0763 Asthma ADRB2 Gene ACG: A-0764 Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics  ACG: A-0765 Beckwith-Wiedemann Syndrome CDKN1C Gene Breast cancer gene expression assays  ACG: A-0767 Breast Cancer (Hereditary) Gene Panel Expanded Gene Panels Disease Carrier Screening Expanded Gene Panels Disease Carrier Screening FIP1L1-PDGFRA Fusion Gene Testing ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer BRAF V600E  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping DLD Gene ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene HTAD and gene panel ACG: A-0777 Gastric Carrier Maple Syrup Urine Disease, Type 3 DLD Gene HTAD and gene panel ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene HTAD and gene panel HTAD and gene panel ACG: A-0778 Gynecologic Cancer (Hereditary) Gene Panel ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0780 Gynecologic Cancer (Hereditary) Gene Panel ACG: A-0785 Joubert Syndrome Gene Easting and gene panels Total antigen receptor (TCR) gene Farangement ACG: A-0786 Malignant Melanoma BRAF V6000	ACG: A-0712	Prostate Cancer	
ACG: A-0750 Acute Lymphoblastic Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0760 Acute Lymphoblastic Leukemia PML-RARA Fusion Gene Testing ACG: A-0762 Ankylosing Spondylitis HLA-B27 ACG: A-0763 Asthma ADRB2 Gene Attention-Deficit Hyperactivity Disorder Medication CYP2D6 Genes Pharmacogenetics Beckwith-Wiedemann Syndrome CDKN1C Gene HER2 Gene ASsays AcG: A-0766 Breast cancer gene expression assays ACG: A-0767 Breast Cancer (Hereditary) Gene Panel Disease Carrier Screening ACG: A-0769 Celiac Disease HLA Testing FIP1L1-PDGFRA Fusion Gene Testing Leukemia/Hypereosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0771 Chronic Rosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0772 Colorectal Cancer KRAS and NRAS Genes ACG: A-0775 Cytochrome P450 ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ABCG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0778 Gastric Cancer, Hereditary ACG: A-0778 Gastric Cancer, Hereditary ACG: A-0779 Gastric Cancer, Hereditary ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) ACG: A-0780 Gynecologic Cancer (Hereditary) Gene Panel ACG: A-0780 Hepatitis C Medication Pharmacogenetics ACG: A-0786 Hymphoma Facility Gene Facel ACG: A-0787 Malignant Melanoma BRAF V6000	ACG: A-0724	<u> </u>	Aneuploidy Testing
ACG: A-0760 Acute Promyelocytic Leukemia ACG: A-0762 Ankylosing Spondylitis HLA-B27 ACG: A-0763 Asthma Asthma ADRB2 Gene ACG: A-0764 Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics Pharmacogenetics ACG: A-0766 Breast cancer gene expression assays ACG: A-0766 Breast cancer (Hereditary) Gene Panel ACG: A-0767 Breast Cancer (Hereditary) Gene Panel ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0772 Colorectal Cancer BRAF V600E ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0778 Gastrio Cancer, Hereditary ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0780 Gastrio Cancer, Hereditary - Gene Panel ACG: A-0781 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0783 Hepatitis C Medication Pharmacogenetics ACG: A-0784 Hepatitis C Medication Pharmacogenetics ACG: A-0785 Malignant Melanoma BRAF V600	ACG: A-0725	7	GANAB, PKD1, PKD2 & gene panels
ACG: A-0760 Acute Promyelocytic Leukemia ACG: A-0762 Ankylosing Spondylitis HLA-B27 ACG: A-0763 Asthma Asthma ADRB2 Gene ACG: A-0764 Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics Pharmacogenetics ACG: A-0766 Breast cancer gene expression assays ACG: A-0766 Breast cancer (Hereditary) Gene Panel ACG: A-0767 Breast Cancer (Hereditary) Gene Panel ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0772 Colorectal Cancer BRAF V600E ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0778 Gastrio Cancer, Hereditary ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0780 Gastrio Cancer, Hereditary - Gene Panel ACG: A-0781 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0783 Hepatitis C Medication Pharmacogenetics ACG: A-0784 Hepatitis C Medication Pharmacogenetics ACG: A-0785 Malignant Melanoma BRAF V600	ACG: A-0759	Acute Lymphoblastic Leukemia	BCR-ABL1 Fusion Gene Testing
ACG: A-0763 Asthma Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics ACG: A-0765 Beckwith-Wiedemann Syndrome CDKN1C Gene Breast cancer gene expression assays ACG: A-0766 Breast Cancer (Hereditary) Gene Panel Expanded Gene Panel Expanded Gene Panels Disease Carrier Screening ACG: A-0768 Celiac Disease HLA Testing FIP1L1-PDGFRA Fusion Gene Testing Leukemia/Hypereosinophilic Syndrome BCR-A0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing ACG: A-0772 Colorectal Cancer KRAS and NRAS Genes ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0778 Gastric Cancer, Hereditary CDH1 Gene KIT and UCP2 Genes HTAD and gene panel ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) ACG: A-0782 Gynecologic Cancer (Hereditary) CDH1 Gene ACG: A-0780 Joubert Syndrome IFNL3 and IFNL4 Genes Panel ACG: A-0781 Joubert Syndrome Gene testing IFNL3 and IFNL4 Genes Panel ACG: A-0780 Malignant Melanoma BRAF V600	ACG: A-0760	Acute Promyelocytic Leukemia	PML-RARA Fusion Gene Testing
ACG: A-0764 Attention-Deficit Hyperactivity Disorder Medication Pharmacogenetics  ACG: A-0765 Beckwith-Wiedemann Syndrome  ACG: A-0766 Breast cancer gene expression assays  ACG: A-0767 Breast Cancer (Hereditary)  ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening  ACG: A-0770 Celiac Disease  ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia  ACG: A-0772 Colorectal Cancer  ACG: A-0773 Colorectal Cancer (Hereditary)  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450  ACG: A-0776 Maple Syrup Urine Disease, Type 3  ACG: A-0777 Familial Hyperinsulinism  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0781 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Malignant Melanoma  ACG: A-0785 Malignant Melanoma  ACG: A-0780 Malignant Melanoma  ACG: A-0787 Malignant Melanoma  ACG: A-0780 Malignant Melanoma  BRAF V600  ADRA2A, COMT, CYP2B6, and CYP2D6 Genes  HER2 Gene  ACRAD7 CDKN1C Gene  HER2 Gene  Expanded Gene Panels  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Expanded Gene Panels  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Fall Testing  Expanded Gene Panel  BCR-ABL1 Fusion Gene Panels  Expand	ACG: A-0762	, ,	
Disorder Medication Pharmacogenetics  ACG: A-0765 Beckwith-Wiedemann Syndrome CDKN1C Gene  ACG: A-0766 Breast cancer gene expression assays  ACG: A-0767 Breast Cancer (Hereditary) Gene Panel  ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening  ACG: A-0769 Celiac Disease HLA Testing  ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing  ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  HTAD and gene panel  ACG: A-0778 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0781 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome Gene testing and gene panels  ACG: A-0787 Tell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0763		
ACG: A-0766 Breast cancer gene expression assays  ACG: A-0767 Breast Cancer (Hereditary) Gene Panel  Expanded Gene Panels  FIP1L1-PDGFRA Fusion Gene Testing  BRAF V600E  RRAS and NRAS Gene Testing  Expanded Gene Panel Testing  FIP1L1-PDGFRA Fusion Gene Testing  BRAF V600E  RRAS and NRAS Gene Testing  Expanded Gene Panel Testing  FIP1L1-PDGFRA Fusion Gene Testing  BRAF V600E  RRAS and NRAS Gene Testing  BRAF V600E  RRAS and NRAS Genes Testing  BRAF V600E  RRAS and NRAS Genes Testing  Expanded Gene Panel  BRAF V600E  Expanded Gene Panels  Expande	ACG: A-0764	Disorder Medication	
assays  ACG: A-0767 Breast Cancer (Hereditary) Gene Panel  ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening  ACG: A-0769 Celiac Disease HLA Testing  ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing  ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0765	Beckwith-Wiedemann Syndrome	CDKN1C Gene
ACG: A-0768 Autosomal and X-Linked Recessive Disease Carrier Screening  ACG: A-0769 Celiac Disease HLA Testing  ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing  ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0766		HER2 Gene
Disease Carrier Screening  ACG: A-0769 Celiac Disease ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia ACG: A-0772 Colorectal Cancer ACG: A-0773 Colorectal Cancer ACG: A-0774 Colorectal Cancer (Hereditary) ACG: A-0775 Cytochrome P450 ACG: A-0776 ACG: A-0777 ACG: A-0777 Familial Hyperinsulinism ACG: A-0777 Familial Hyperinsulinism ACG: A-0778 ACG: A-0778 ACG: A-0778 ACG: A-0778 ACG: A-0778 ACG: A-0780 Gastric Cancer, Hereditary ACG: A-0780 ACG: A-0781 ACG: A-0782 ACG: A-0783 ACG: A-0783 ACG: A-0785 ACG: A-0785 ACG: A-0785 ACG: A-0786 ACG: A-0788 ACG: A-0788 ACG: A-0788 ACG: A-0788 ACG: A-0789 ACG: A-0789 ACG: A-0780 ACG: A-0780 ACG: A-0780 ACG: A-0781 ACG: A-0782 ACG: A-0783 ACG: A-0783 ACG: A-0784 ACG: A-0785 ACG: A-0785 ACG: A-0786 ACG: A-0786 ACG: A-0787 ACG:	ACG: A-0767	Breast Cancer (Hereditary)	Gene Panel
ACG: A-0769 Celiac Disease HLA Testing  ACG: A-0770 Chronic Eosinophilic Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing  ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0768		Expanded Gene Panels
Leukemia/Hypereosinophilic Syndrome  ACG: A-0771 Chronic Myelogenous Leukemia BCR-ABL1 Fusion Gene Testing  ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0769		HLA Testing
ACG: A-0772 Colorectal Cancer BRAF V600E  ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0770	Leukemia/Hypereosinophilic	FIP1L1-PDGFRA Fusion Gene Testing
ACG: A-0773 Colorectal Cancer KRAS and NRAS Genes  ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0771	Chronic Myelogenous Leukemia	BCR-ABL1 Fusion Gene Testing
ACG: A-0774 Colorectal Cancer (Hereditary)  ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping  ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene  ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0772	Colorectal Cancer	BRAF V600E
ACG: A-0775 Cytochrome P450 3A4/3A5 Genotyping ACG: A-0776 Maple Syrup Urine Disease, Type 3 DLD Gene ACG: A-0777 Familial Hyperinsulinism ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene ACG: A-0780 Gastrointestinal Stromal Tumor (GIST) ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel ACG: A-0783 Hepatitis C Medication Pharmacogenetics ACG: A-0785 Joubert Syndrome gene testing and gene panels ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0773	Colorectal Cancer	KRAS and NRAS Genes
ACG: A-0776 Maple Syrup Urine Disease, Type 3  ACG: A-0777 Familial Hyperinsulinism  ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome  ACG: A-0786 Lymphoma  T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma  BRAF V600	ACG: A-0774	Colorectal Cancer (Hereditary)	
ACG: A-0777 Familial Hyperinsulinism  ABCC8, GCK, GLUD1, HADH, HK1, HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0775	Cytochrome P450	3A4/3A5 Genotyping
HNF1A, HNF4A, KCNJ11, PGM1, SLC16A1, and UCP2 Genes  ACG: A-0778 Familial Thoracic Aortic Aneurysm and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0776	Maple Syrup Urine Disease, Type 3	DLD Gene
and Aortic Dissection, Nonsyndromic  ACG: A-0779 Gastric Cancer, Hereditary CDH1 Gene  ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0777	Familial Hyperinsulinism	HNF1A, HNF4A, KCNJ11, PGM1,
ACG: A-0780 Gastrointestinal Stromal Tumor (GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0778	-	HTAD and gene panel
(GIST)  ACG: A-0782 Gynecologic Cancer (Hereditary) - Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600		•	CDH1 Gene
Gene Panel  ACG: A-0783 Hepatitis C Medication Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0780		KIT and PDGFRA Genes
Pharmacogenetics  ACG: A-0785 Joubert Syndrome gene testing and gene panels  ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0782	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
ACG: A-0786 Lymphoma T cell antigen receptor (TCR) gene rearrangement  ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0783		IFNL3 and IFNL4 Genes
rearrangement ACG: A-0787 Malignant Melanoma BRAF V600	ACG: A-0785	Joubert Syndrome	gene testing and gene panels
	ACG: A-0786	Lymphoma	
ACG: A-0788 Marfan Syndrome FBN1 Gene	ACG: A-0787	Malignant Melanoma	BRAF V600
	1	1,4,6,0,1	EDNIA O



ACG: A-0789	Molecular Profiling		
ACG: A-0790	Multiple Cancers, Including Cancer		
	Syndromes (Hereditary)		
ACG: A-0791	Myelodysplastic Syndromes		
	(somatic)		
ACG: A-0792	Nemaline Myopathy	ACTA1, CFL2, KBTBD13, KLHL40,	
		KLHL41, LMOD3, MYO18B, MYPN,	
		NEB, TNNT1, TPM2, and TPM3 Genes	
ACG: A-0793	Fetal and Neonatal Alloimmune	Human Platelet Antigen (HPA)	
	Thrombocytopenia	Genotyping	
ACG: A-0795	Non-Small Cell Lung Cancer (Somatic		
	or Therapeutic)		
ACG: A-0796	Osteogenesis Imperfecta	MP1, COL1A1, COL1A2, CREB3L1,	
		CRTAP, FKBP10, IFITM5, MBTPS2,	
		P3H1, PLOD2, PPIB, SERPINF1, SERPINH1, SP7, SPARC, TMEM38B,	
		and WTN1 Genes	
ACG: A-0797	Pancreatic Cancer (Hereditary)	and With Genes	
ACG: A-0797	Paraganglioma-Pheochromocytoma		
ACG. A-0796	(Hereditary)		
ACG: A-0799	Peutz-Jeghers Syndrome	STK11 Gene	
ACG: A-0800	Post-Transfusion Purpura	Human Platelet Antigen (HPA)	
ACG. A-0000	Fost-Transiusion Fulpula	Genotyping	
ACG: A-0801	Renal Cancer (Hereditary)	Conotyping	
ACG: A-0802	Usher Syndrome	ADGRV1 (GPR98), CDH23, CIB2,	
ACG. A-0002 Osher Syndrome		CLRN1, DFNB31, HARS, MYO7A,	
		PCDH15, USH1C, USH1G, and USH2A	
		Genes	
ACG: A-0803	Male Infertility	Y Chromosome Microdeletion Analysis	
ACG: A-0808	Alpha Thalassemia	HBA1 and HBA2 Genes	
ACG: A-0809	Alzheimer Disease (Late Onset)	APOE Genotyping	
ACG: A-0810	Chromosomal Microarray Analysis		
	(CMA) - Developmental Delay		
ACG: A-0811	Chromosomal Microarray Analysis		
	(CMA) - Neoplasms		
ACG: A-0812	Chromosomal microarray analysis		
	(CMA) - Prenatal testing		
ACG: A-0815	Beta Thalassemia	HBB Gene	
ACG: A-0816 Charcot-Marie-Tooth Hereditary		HSPB1, MFN2, and MPZ Gene	
Neuropathy, Type 2			
ACG: A-0818 Charcot-Marie-Tooth Hereditary		GD4, GDAP1, NDRG1, PRX, SBF2,	
	Neuropathy, Type 4	and SH3TC2 Genes	
ACG: A-0819	Charcot-Marie-Tooth Hereditary	AIFM1, GJB1, PDK3, and PRPS1	
Neuropathy, Type X		Genes	
ACG: A-0820 Citalopram Pharmacogenetics		GRIK4 Gene	



	·	Lifective Date. 01/01/2020
ACG: A-0821 Colon Cancer Gene Expression Assay		GeneFx Colon
ACG: A-0822	Colon Cancer Gene Expression Assay	ColoPrint
ACG: A-0823	Deafness and hearing loss, nonsyndromic	Miroarray & multigene
ACG: A-0824	Diabetes Mellitus (Permanent Neonatal Diabetes)	ABCC8, EIF2AK3, FOXP3, GATA4, GATA6, GCK, GLIS3, IER31P1, INS, KCNJ11, MNX1, NEUROG3, NKX2-2, PDX1, PTF1A, and RFX6 Genes
ACG: A-0825	Diabetes Mellitus (Transient Neonatal Diabetes)	ABCC8, HYMAI, KCNJ11, PLAGL1, and ZFP57 Genes
ACG: A-0826	Diabetes Mellitus, Type 2	KCNJ11, KCNQ1, PPARG, SLC16A11, and TCF7L2 Genes
ACG: A-0827	Familial Adenomatous Polyposis	
ACG: A-0828	Familial Adenomatous Polyposis	MUTYH Gene
ACG: A-0829	Fragile X-Associated Primary Ovarian Insufficiency	FMR1 Gene
ACG: A-0830	Fragile X-Associated Tremor/Ataxia Syndrome	FMR1 Gene
ACG: A-0831	Long QT Syndrome, Type 1 (Romano-Ward Syndrome, Hereditary)	KCNE1, KCNE2, KCNH2, KCNQ1, and SCN5A Genes
ACG: A-0833	Long QT syndrome (Andersen-Tawil syndrome, hereditary)	KCNJ2 Gene
ACG: A-0834	Long QT Syndrome (Timothy Syndrome, Hereditary)	CACNA1C Gene
ACG: A-0836	Malignant Melanoma (Uveal)	BAP1, CDK4, and CDKN2A Genes
ACG: A-0837	Melanoma (Cutaneous)	Gene Expression Profiling
ACG: A-0838	MicroRNA Detection - Heart Failure	
ACG: A-0839	MicroRNA Detection - Inflammatory Bowel Disease	
ACG: A-0840	MicroRNA Detection - Ischemic Heart Disease	
ACG: A-0841	MicroRNA Detection - Kidney Disease	
ACG: A-0842	Multiple Endocrine Neoplasia (MEN) Syndrome, Type 2	RET Gene
ACG: A-0843	Myeloproliferative Neoplasms	MPL Gene
ACG: A-0844	Myotonic Dystrophy, Type 2	CNBP Gene
ACG: A-0845	Naltrexone Pharmacogenetics	OPRM1 Gene
ACG: A-0846	Neurofibromatosis	NF2 Gene
ACG: A-0847	Noninvasive Prenatal Testing (Cell- Free Fetal DNA) - Fetal Rhesus D (RhD) Genotyping	



ACG: A-0848	Free Fetal DNA) - Microdeletion	
	Syndromes	
ACG: A-0849	Noninvasive Prenatal Testing (Cell-	
Free Fetal DNA) - Monogenic		
	Disorders	
ACG: A-0850	Noninvasive Prenatal Testing (Cell-	
	Free Fetal DNA) - Sex Chromosome	
100 1 0050	Disorders	DZIDAL LDIKUDA O
ACG:A-0852	Polycystic Kidney Disease	DZIP1L and PKHD1 Genes
ACC: A 0054	(Autosomal Recessive)	LICYDAO MMD DTEN I TMDDCCO
ACG: A-0854	Prostate Cancer	HOXB13, MMR, PTEN, and TMPRSS2-
ACC: A 0055	Drastate Conser	ETS Fusion Genes
ACG: A-0855	Prostate Cancer	PCA3 Gene
ACG: A-0856	Prostate Cancer Gene Expression Testing - Decipher	
ACG: A-0857	Prostate Cancer Gene Expression	
	Testing - Prolaris	
ACG: A-0858	Proteomics - Ovarian Cancer	
	Biomarker Panel (ROMA)	
ACG: A-0859	Psychotropic Medication	ABCB1, ADRA2A, BDNF, COMT, DRD,
	Pharmacogenetics	FKBP5, GNB3, HTR, MC4R, OGFRL1,
		SLC6A4, SPTA1, and TPH1 Genes
ACG: A-0861	Psychotropic Medication	
	Pharmacogenetics - Gene Panels	
ACG: A-0862	Psychotropic Medication	
	Pharmacogenetics - HLA Typing	
ACG:A-0864	Sickle Cell Disease	HBB Gene
ACG: A-0865	Whole Genome/Exome Sequencing -	
	Cardiovascular Disorder	
ACG: A-0866	Whole Genome/Exome Sequencing -	
	Immunodeficiency Disorders	
ACG: A-0867	Whole Genome/Exome Sequencing -	
100 1 0000	Intellectual Disability	
ACG: A-0868	Whole Genome/Exome Sequencing -	
A00: A 0000	Metabolic Disorders	
ACG: A-0869 Whole Genome/Exome Sequencing -		
Mitochondrial Disorders		
ACG: A-0870 Whole Genome/Exome Sequencing -		
ACC: A 0971 Whole Conomo/Eyome Segunning		
ACG: A-0871 Whole Genome/Exome Sequencing -		
Neurologic Disorders		
ACG: A-0872	Whole Genome/Exome Sequencing -	
ACG: A-0904	Congenital Anomalies Epilepsies, Hereditary	SCN1A Gene
ACG: A-0904	Epilepsies (Hereditary)	Gene Panel
ACG. A-0905	Ehilebalea (Lierenirara)	Gene Fallel



ACG: A-0906 Familial Frontotemporal Dementia		C9orf72, GRN, and MAPT Genes
ACG: A-0907	G: A-0907 Friedreich Ataxia FXN Gene	
ACG: A-0908	Spinocerebellar Ataxia	ATXN1, ATXN2, ATXN3, ATXN7, CACNA1A, and gene panels
ACG: A-0909	Loeys-Dietz Syndrome	SMAD2, SMAD3, TGFB2, TGFB3, TGFBR1, TGFRBR2
ACG: A-0910	Ehlers-Danlos Syndrome (Vascular)	COL3A1 Gene
ACG: A-0912	Retinal Disorders	Gene Panels
ACG: A-0913	Age-Related Macular Degeneration	Gene Panels
ACG: A-0914	Autism Spectrum Disorders	Gene Panels
ACG: A-0915	Noonan Syndrome	BRAF, KRAS, LZTR1, MAP2K1, NRAS, PTPN11, RAF1, RIT1, SOS1, SOS2,
ACC: A 0040	Falm Diagon	and gene panels
ACG: A-0916	Fabry Disease	GLA Gene
ACG: A-0917	Chromosomal Microarray Analysis (CMA) - Congenital Anomalies	
ACG: A-0918	Long QT Syndrome (Hereditary)	Gene Panel
ACG: A-0923	Intellectual Disability	
ACG: A-0924	Chromosomal Microarray Analysis (CMA) - Intellectual Disability	
ACG: A-0925	Developmental Delay	
ACG: A-0926	Whole Genome/Exome Sequencing - Developmental Delay	
ACG: A-0927	Gastric cancer - gene testing (somatic or therapeutic)	
ACG: A-0957	Congenital central hypoventilation syndrome	PHOX2B
ACG: A-0958	Familial hypercholesterolemia	APBO, LDLR, PCSK9

# E. Conditions of Coverage

## F. Related Polices/Rules

# G. Review/Revision History

	DATE	ACTION
Date Issued	1/1/2020	
Date Revised		
Date Revised		
Date Effective	1/1/2020	New policy

# H. References

 National Institutes of Health. Genetic Testing: How it is used for healthcare, fact sheet. February 14, 2011, Updated March 29, 2013. Accessed at: http://report.nih.gov/NIHfactsheets/ViewFactSheet.aspx?csid=43&key+G#G



Effective Date: 01/01/2020

- 2. Genetic Testing Registry. [website] National Center for Biotechnology Information, U.S. National Library of Medicine. Accessed at: http://www.ncbi.nlm.nih.gov/gtr/
- 3. Centers for Disease Control and Prevention. Genomic Testing. July 2017. Accessed at: http://www.cdc.gov/genomics/gtesting/
- 4. National Human Genome Research Institute. [website]:
  - a. Regulation of Genetic Tests. June 2018. Accessed at: https://www.genome.gov/10002335/regulation-of-genetic-tests/
  - b. Coverage and Reimbursement of Genetic Tests. Feb 2018. Accessed at: https://www.genome.gov/19016729/coverage-and-reimbursement-of-genetic-tests/
- 5. U.S. National Library of Medicine. What is a gene mutation and how do mutations occur? March 13, 2011. Updated April 2018. Accessed at: http://ghr.nlm.nih.gov/handbook/mutationsanddisorders/genemutation
- 6. Analytical Validity, Clinical Validity, and Clinical Utility: What's the Difference? (n.d.). Retrieved from http://blog.hayesinc.com/analytical-validity-clinical-validity-and-clinical-utility-whats-the-difference
- Botkin, J. R., Teutsch, S. M., Kaye, C. I., Hayes, M., Haddow, J. E., Bradley, L. A., Dotson, W. D. (2010). Outcomes of interest in evidence-based evaluations of genetic tests. *Genetics in Medicine*, 12(4), 228-235. doi:10.1097/gim.0b013e3181cdde04
- 8. Foster, M. W., Mulvihill, J. J., & Sharp, R. R. (2009). Evaluating the utility of personal genomic information. *Genetics in Medicine*, *11*(8), 570-574. doi:10.1097/gim.0b013e3181a2743e

#### PROFESSIONAL SOCIETY GUIDELINES

- 9. Genetic Counseling Understanding Genetics NCBI Bookshelf. (n.d.). Retrieved from https://www.ncbi.nlm.nih.gov/books/NBK132139/
- 10. Genomic Testing: ACCE Model Process for Evaluating Genetic Tests http://www.cdc.gov/genomics/gtesting/ACCE/index.htm
- 11. Issues in Genetic Counseling Assessing Genetic Risks NCBI Bookshelf. (n.d.). Retrieved from https://www.ncbi.nlm.nih.gov/books/NBK236049/
- 12. Raby BA, Kohlman W, Venne V. Genetic counseling and testing. In: Tirnauer JS (Ed). UpToDate [database on the Internet]. Waltham (MA): UpToDate; 2014
- 13. Public Health Genomics: http://www.cdc.gov/genomics/gtesting/ACCE/acce\_proj.htm
- 14. Genetic Counseling and Testing: http://www.uptodate.com/contents/genetic-counseling-and-testing?source=search\_results&search=genetic+testing&selectedTitle=1%7E150
- 15. MCG Care Guidelines: Ambulatory Care Guidelines for Genetic Medicine (23rd Ed., 2019).

This guideline contains custom content that has been modified from the standard care guidelines and has not been reviewed or approved by MCG Health, LLC.

**Note:** Effective 06/2019 CareSource will utilize the current edition of the MCG Care Guidelines' (Ambulatory Care: Genetic Medicine section) criteria when reviewing prior authorization requests for coverage of genetic test(s). This policy statement clarifies and supplements the individual quidelines in this set.

The Medical Policy Statement detailed above has received due consideration as defined in the Medical Policy Statement Policy and is approved.

