A guide to our diagnostic clinical areas

We offer comprehensive panel testing with maximum flexibility and customization. Our tests include gene sequencing and exon-level deletion/duplication analysis unless otherwise specified. We organize our panels by clinical areas and continue to broaden our menu to achieve our mission of providing affordable, high-quality, flexible genetic testing in the clinic.



- Within a clinical area, we offer flexible testing with a single specimen. Clinicians can select a pre-curated test, combine multiple tests, or customize their own test for each patient, including re-requisition, in one report and one billable event.
- All pre-curated tests listed in the catalog, including their preliminary-evidence and add-on genes, are fully contained within a single clinical area.
- Orders for two different clinical areas represent two billable events (one for each clinical area) and will require two samples. They will also result in two reports generated by two different teams of clinical experts.

Nearly all of the test requisitions we receive can be satisfied by a single clinical area. We recognize, however, that it is possible on occasion for a single diagnostic question to require a test that includes genes from more than one clinical area.

We welcome questions and feedback. Please contact us at **www.invitae.com/contact**

**Re-requisition is a service that allows the clinician to order additional genes within the original clinical area (within 150 days of receiving a report) for no additional charge, and without providing a new specimen. This service provides the flexibility needed to order the right genes at the right pace.*

A guide to our diagnostic clinical areas *(continued)*

Clinical area	Diseases and disorders	
Cardiology & Neurology	Aortopathy and connective tissue disorders Arrhythmia Cardiomyopathy Congenital heart disease Familial hypercholesterolemia Lipidemias	Movement disorders Neurodegenerative disorders Neuromuscular disorders Neuropathies and related disorders Pulmonary hypertension Skeletal muscle disease
Hereditary Cancer (including STAT)	Breast cancer Chronic pancreatitis Colorectal and gastrointestinal cancers Cross cancer panels Dermatology-related cancer syndromes Gynecologic cancers	Other solid tumor types Pancreatic cancer Pediatric oncology Prostate cancer Renal/urinary tract cancers
Hematology	Bone marrow failure syndromes Hereditary hemochromatosis Hereditary leukemia	Hereditary lymphoma Hereditary thrombophilia
Metabolic, Newborn Screening, & Immunology	Alpha-1 antitrypsin deficiency Aminoacidopathies Antibody deficiencies Autoinflammatory syndromes Carbohydrate disorders Cerebral palsy spectrum disorders Cerebrotendinous xanthomatosis Combined T/B cell deficiencies Comprehensive porphyrias Congenital disorders of glycosylation Creatine biosynthesis and transport disorders Cystic fibrosis Disorders of intrinsic and innate immunity Fatty acid oxidation defects Immune dysregulation Immunology Leukodystrophies and leukoencephalopathies Lysosomal storage disorders	Metabolic disorders & severe combined immunodeficiency Metal transport disorders Monogenic diabetes Nephrolithiasis Neurodegeneration with brain iron accumulation Neurotransmitter disorders Organic acidemias Panels by analyte Peroxisomal disorders Phagocytic defects Porphyrias Primary immunodeficiency Purine metabolism disorders Pyruvate metabolism and tricarboxylic acid cycle defects Symptom-based metabolic panels Treatable disorders Well-defined syndromes Urea cycle disorders
Pediatric & Rare Disease	Ciliopathies Congenital heart disease Cystic fibrosis and chronic pancreatitis Deafness Dermatology Developmental disorders Developmental brain abnormalities Disorders of sex development/endocrinology Epilepsy and seizures	Eye disorders Kidney disorders & progressive renal disease Limb and digital malformations Neonatal respiratory distress Overgrowth syndromes RASopathies (Noonan spectrum disorders) Skeletal disorders Skin disorders

For more information, please visit
invitae.com or call **1-800-436-3037**.

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