Ordering made easy: A guide to Invitae's clinical areas

Invitae offers panel testing with maximum flexibility and customization. We organize our panel tests by **clinical areas**, which allows us to broaden our menu without sacrificing on our mission to provide low prices for high-quality, flexible genetic testing in the clinic.

Within a clinical area, we offer testing for a **single price** with a **single specimen**. This means that a clinician can select a pre-curated test, combine multiple tests, or customize their own test for each patient—including re-requisition*—for the listed price as long as all genes fall within a single clinical area. These tests include complete gene sequencing and exon-level deletion/duplication analysis from a single specimen, unless otherwise noted. Orders that include genes in 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.

Across our menu, we have five clinical areas covering a wide range of tests as summarized in the table below. All pre-curated tests listed in the catalog—including their preliminary-evidence and add-on genes—are fully contained within a single clinical area.

CLINICAL AREAS	DISEASES AND DISORDERS	
Cardiology & Neurology	Aortopathy and connective tissue disorders Arrhythmia Arrhythmia and cardiomyopathy Cardiomyopathy Cardiomyopathy and skeletal muscle disease Charcot-Marie-Tooth disease Congenital heart disease Congenital myasthenic syndrome Familial hypercholesterolemia Hereditary sensory and autonomic neuropathy	Hereditary spastic paraplegia Malignant hyperthermia susceptibility Motor neuropathy Movement disorders Muscular dystrophy Myopathy Neuromuscular disorders Neuropathies and related disorders Pulmonary hypertension Riboflavin transporter deficiency neuronopathy
Hereditary Cancer	Breast cancer Breast and gynecologic cancers Colorectal and gastrointestinal cancers Cross cancer panels Individual hereditary cancer conditions Other organ systems STAT turnaround time	Bone marrow failure syndromes Dermatology-related cancer syndromes Pediatric oncology
Non-malignant Hematology	Hereditary hemochromatosis	Hereditary thrombophilia
Metabolic, Newborn Screening, & Immunology	Aminoacidopathies Carbohydrate disorders Congenital disorders of glycosylation Creatine biosynthesis disorders Cystic fibrosis Fatty acid oxidation defects Immunology	Lysosomal storage disorders Metabolic disorders & severe combined immunodeficiency Metal transport disorders Organic acidemias Panels by analyte Urea cycle disorders
Pediatric & Rare Disease	Ciliopathies Congenital heart disease Cystic fibrosis and chronic pancreatitis Developmental disorders Disorders of sex development/endocrinology Epilepsy, seizures, and developmental brain abnormalities	Eye disorders Overgrowth syndromes RASopathies (Noonan spectrum disorders) Skeletal disorders Skin disorders

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 encourage clinicians who encounter such a circumstance to contact Client Services (clientservices@invitae.com; 415-374-7782 or toll free at 800-436-3037). We intend to continually improve and broaden our clinical area definitions and boundaries and believe that client feedback is key to this process.

*Re-requisition is a service that allows the clinician to order additional genes within the original clinical area within 90 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.

HEADQUARTERS & LABORATORY | 1400 16th Street, San Francisco, CA 94103 | www.invitae.com | **IN THE US** | clientservices@invitae.com | p: 800-436-3037 | f: 415-276-4164
OUTSIDE THE US | globalsupport@invitae.com or visit www.invitae.com/contact | P/N F175-2