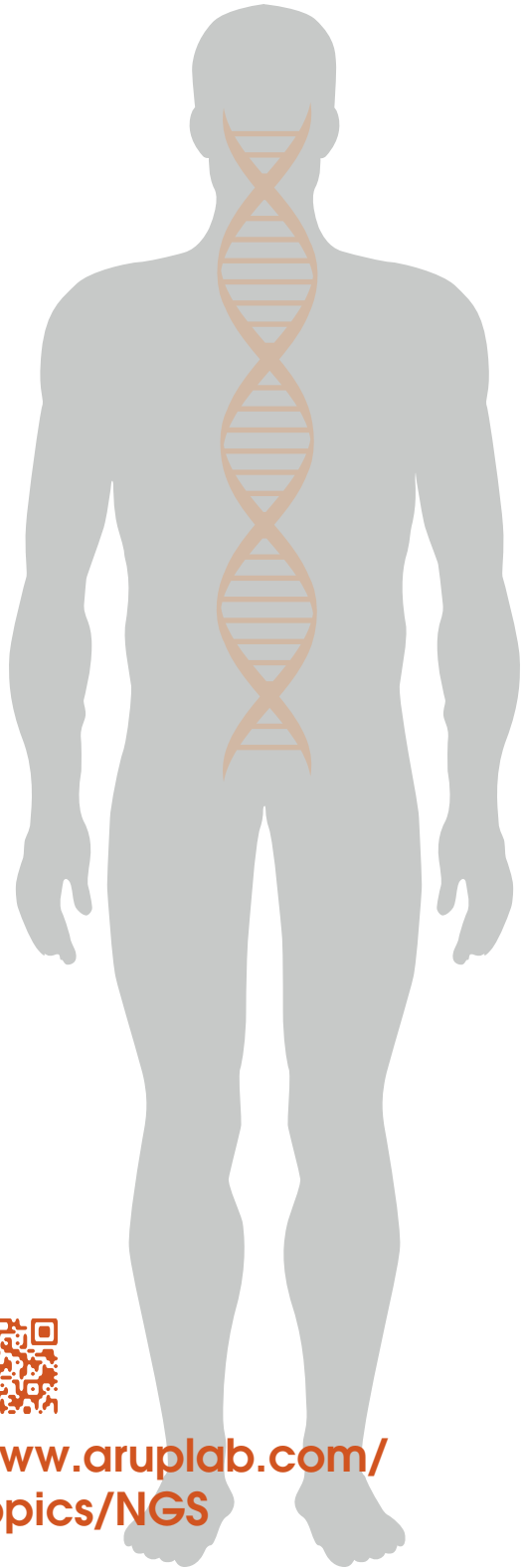

www.aruplab.com/
topics/NGS

ARUP LABORATORIES

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A nonprofit enterprise of the University of Utah and its Department of Pathology

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Next-Generation Sequencing (NGS)

testing at ARUP Laboratories

ARUP LABORATORIES

ARUP's next-generation sequencing (NGS) panels allow investigation of multiple genes simultaneously in situations where there is phenotypic overlap across disorders. ARUP's NGS testing is cost effective and offered at **highly competitive prices**. In addition, our team of scientists, genetic counselors, and medical directors provides **outstanding genomic analysis** and data interpretation of patient results.

Features and Benefits of NGS Testing at ARUP

- All steps from DNA extraction to analysis and reporting are done at the CLIA/CAP-regulated ARUP central lab
- Thousands of clinical samples sequenced
- More genetic and oncology tests being validated
- Competetive turnaround time
- Additional testing done in-house as necessary
- In-house expertise and collaborations
- Competetive price
- NGS tests are orderable and resulted over the interface
- Genetic counselors review NGS test orders to ensure proper test utilization

ARUP NGS Test Menu

ONCOLOGY TESTS
BCR-ABL1 Mutation Analysis
Lung Cancer Panel
Myeloid Malignancies Mutation Panel
Myeloid Malignancies Somatic Mutation and Copy Number Analysis Panel
Solid Tumor Mutation Panel
T-Cell Clonality

HEREDITARY CANCERS
Breast and Ovarian Hereditary Cancer Panel, 20 Genes
Cancer Panel, Hereditary, 47 Genes
Central Nervous System Hereditary Cancer Panel, 15 Genes
Endocrine Hereditary Cancer Panel, 13 Genes
Gastrointestinal Hereditary Cancer Panel, 15 Genes
Melanoma Hereditary Cancer Panel, 6 Genes
Renal Hereditary Cancer Panel, 15 Genes

GENETIC TESTS
Agammaglobulinemia Panel, 9 Genes
Amyotrophic Lateral Sclerosis (ALS) Panel, 11 Genes
Aortopathy Panel, 21 Genes
Bone Marrow Failure Sequencing, 35 Genes
Cardiomyopathy and Arrhythmia Panel, 85 Genes
Cerebral Cavernous Malformation (CCM) Panel, 3 Genes
Charcot-Marie-Tooth (CMT) and Related Hereditary Neuropathies Panel
Cobalamin/Propionate/Homocysteine Metabolism Related Disorders Panel, 25 Genes
Duchenne Muscular Dystrophy (DMD)
Exome Sequencing with Symptom-Guided Analysis (individual and familial)
Expanded Hearing Loss Panel, 56 Genes
Hereditary Hemolytic Anemia Sequencing, 28 Genes
Hereditary Hemorrhagic Telangiectasia (HHT) Panel, 5 Genes
Holoprosencephaly Panel, 11 Genes
Hyper IgM Syndrome Panel, 12 Genes
Hypohidrotic Ectodermal Dysplasia Panel, 4 Genes
Metabolic Storage Disorders Panel, 51 Genes
Mitochondrial Disorders (121 Nuclear Genes) Panel
Mitochondrial Disorders (mtDNA) Sequencing
Multiple Epiphyseal Dysplasia Panel, 6 Genes
Noonan Spectrum Disorders Panel, 15 Genes
Periodic Fever Syndromes Panel, 7 Genes
Primary Antibody Deficiency Panel, 35 Genes
Pulmonary Arterial Hypertension (PAH) Panel, 5 Genes
Retinitis Pigmentosa/Leber Congenital Amaurosis Panel, 53 Genes
Severe Combined Immunodeficiency (SCID) Panel, 19 Genes
Skeletal Dysplasia Panel, 39 Genes
Vascular Malformations Panel, 14 Genes
X-Linked Intellectual Disability Panel, 76 Genes