

ARUP GENETICS AND GENOMICS

PATIENTS.ANSWERS.RESULTS.®

For a complete list of
our **medical directors**,
please visit:



For a complete and
updated list of our **tests**,
please visit:



To learn more about
our **genetic counselors**,
please visit:




ARUP LABORATORIES

We are a national nonprofit and academic reference laboratory at the forefront of diagnostic medicine. As a CAP-, ISO 15189-, and CLIA-certified diagnostic lab, we have more than 35 years of experience supporting clients through unparalleled quality and service. Our forward-thinking community of academic experts and consultants empowers our clients with the most current industry knowledge.

Our test menu is one of the broadest in the industry and encompasses more than 3,000 tests, including highly specialized and esoteric assays. We offer testing in molecular genetics, genomics, cytogenetics, genomic microarray, biochemical genetics, prenatal testing, and maternal serum screening. We continually expand our test menu as new procedures and clinically relevant markers are identified.

Our high-quality tests are backed by nationally and internationally recognized pathologists, subspecialty-qualified clinicians, board-certified clinical scientists, genetic counselors, and clinical variant scientists. Our experts are available to provide support and answer your questions about test ordering, results interpretation, and logistical issues.



We believe in collaborating, sharing knowledge, and contributing to laboratory science in ways that are most meaningful and provide the greatest value for patients. Together, ARUP and its clients will improve patient care today and in the future.



BIOCHEMICAL GENETICS

ARUP Biochemical Genetics offers a comprehensive metabolic test menu that includes both classic and molecular methodologies. We test for analytes and enzymes to identify rare inborn errors of metabolism and to monitor therapy for these conditions. Our medical directors and genetic counselors consult with providers on test orders and results interpretation.

Testing areas include amino acid, organic acid, fatty acid, and acylcarnitine profile analysis.



CYTOGENETICS AND GENOMIC MICROARRAY

Our full-service Cytogenetics department provides outstanding stewardship, enabling you to provide the best possible patient care. We perform microarray, karyotype, and fluorescence in situ hybridization (FISH) analysis to identify chromosomal abnormalities related to both constitutional and prenatal diagnoses, and our testing aligns with the latest clinical and laboratory guidelines.

The following testing can be performed on a variety of sample types in cases of suspected congenital disorders, for prenatal diagnosis, in the event of pregnancy loss, and in cases of infertility:

- Chromosome (karyotype) analysis
- Genomic microarray
- Metaphase and interphase FISH



GENOMICS AND GENETICS

ARUP offers a comprehensive menu of single gene and multigene panel tests to screen for, monitor, and diagnose a wide array of disorders. Our germline genetics labs use a variety of molecular methodologies, including massively parallel (next generation) sequencing on DNA, to identify gene variants responsible for a variety of diseases.

ARUP offers the following testing:

- Carrier screening
- Exome sequencing with symptom-guided analysis (individual and familial)
- Maternal serum screening/noninvasive prenatal testing for fetal aneuploidy
- Pharmacogenetics
- Prenatal diagnostic testing
- Rapid whole genome sequencing
- Cardiomyopathies
- Hemoglobinopathies
- Hereditary cancers
- Metabolic disorders
- Skeletal dysplasias
- And many more!





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ARUP LABORATORIES

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*ARUP is a nonprofit enterprise of the University of Utah
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