



Prenatal Diagnosis

Innovative...Comprehensive...Consultative

The cytogenetics laboratory at Molecular Pathology Laboratory Network, Inc. (MPLN) offers a comprehensive test menu for prenatal studies including chromosome analysis, interphase fluorescence *in situ* hybridization (FISH) for rapid detection of numerical chromosome abnormalities, metaphase FISH for identification of microdeletions syndromes, and alpha fetoprotein and acetylcholinesterase for detection of open spine defects. In conjunction with our clinical subsidiary, Ascendant Medical Laboratory, we offer maternal serum screening.

Rapid Response

MPLN addresses turnaround time at every step. From collection to report, we deliver high-quality results.

- Deliver results of prenatal chromosome studies in 6 to 7 days
- Prioritize cases to optimize patient management
- Operate 7 days a week for continual culture maintenance, analysis and reporting
- Provide diagnosis of the common numerical abnormalities involving chromosomes 13, 18, 21, X and Y within 24 hours
- Maintain additional cell cultures for reflex testing if biochemical or molecular studies are indicated
- Perform testing of parental chromosomes when warranted
- Analyze chromosome constitution of spontaneous pregnancy losses
- Study the chromosomes of individuals with infertility, multiple pregnancy loss, or family history of a chromosome abnormality
- Offer fast and secure ordering and reporting options through Symphony™ laboratory information exchange

Expert Services

MPLN's cytogenetics lab director collaborates with referring physicians, genetic counselors and other laboratory directors on multidisciplinary tests to provide a complete diagnostic picture of each patient.

Our technologists are highly experienced in producing excellent banding quality to optimize detection of structural and numerical chromosome abnormalities.

Personal, Professional Interaction

Katy Phelan, PhD, the cytogenetics laboratory director, makes calls personally and directly to physician offices with all abnormal results to offer genetic counseling and diagnostic consultations. We have dedicated cytogenetic client service representatives to answer your logistic questions and we can also provide access to a licensed genetic counselor.

Experienced

Dr. Phelan is a founding fellow of the American College of Medical Genetics and is certified by the American Board of Medical Genetics as a Clinical Cytogeneticist and as a PhD Medical Geneticist.

All cytogenetic technologists at MPLN are medical technologists and/or certified by the National Certification Agency (NCA) as clinical specialists in cytogenetics.

Since 1989, MPLN has offered an expanding selection of cytogenetic services and molecular diagnostic tests. The laboratory is certified by CLIA, accredited by CAP and is licensed in the states of Tennessee, Florida, New York and Maryland.

For more information about our cytogenetic services, technologies or test menu, contact your local representative, or call a client service specialist at 800.932.2943.