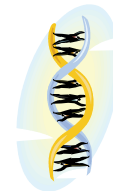


Molecular Diagnostics Laboratory at The Children's Hospital



What we do...

We are the Molecular Diagnostics Laboratory at The Children's Hospital in Aurora, Colorado. We have been in operation since 1989. The Molecular Diagnostics Lab is dedicated to providing excellent, truly state-of-the-art molecular testing, which is why leading institutions and research centers throughout the country use our lab's services. We perform PCR based testing with rapid turn around times and we coordinate with outside referral labs to provide the best possible patient care and timely test results.

Who we are...

We have been at Children's Hospital for 20 years where we have established ourselves as the only full-service molecular lab in the state of Colorado. All of our seven full-time technical staff members are NCA certified specialists, most of the molecular diagnostic lab staff either holds or is still pursuing advanced academic degrees.

We offer the following tests...

Oncology and Bone Marrow Transplant:

ALL [t(9;22), t(1;19), t(4;11), t(12;21)]

BCR/ABL Qualitative, CML and ALL [t(9;22)]

BCR/ABL Quantitative [t(9;22) Major]

AML [t(15;17), t(8;21), Inv(16), FLT3]

T Cell Receptor Gamma (TRG@) Gene Clonality and

B Cell (IGH@) Clonality by PCR

Chimerism Study by STR, BMT Engraftment

Maternal Cell Contamination

NPM1 Mutation Analysis

FLT3 (ITD, D835) Gene Mutations

Ewings Sarcoma [t(11;22), t(21;22)]

Alveolar rhabdomyosarcoma [t(2;13)]

Infectious Disease:

Bordetella pertussis

Enterovirus

Epstein Barr Virus (EBV)

Cytomegalovirus (CMV)

Herpes Simplex Virus I,II

Genetics:

Factor V Leiden (F5 1691G>A)

Prothrombin (F2 20210G>A)



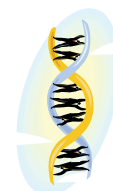
Coming Soon

Oncology:

JAK2 (V617F) Mutation

Genetics:

MTHFR (677C>T & 1298 A>C)



For more information contact...

Lara Dubie, MS, CLSp(MB) (dubie.lara@tchden.org), serves as Supervisor of Molecular Diagnostics.

Qi Wei, CLSp(MB) (wei.qi@tchden.org), serves as Director of Laboratory Development for Molecular Diagnostics

Mark A. Lovell, MD (lovell.mark@tchden.org), serves as our Medical Director. Dr. Lovell is board certified in Anatomic and Clinical Pathology, Pediatric Pathology, and Molecular Genetic Pathology.

Accrediting Agencies...

The Molecular Diagnostics Laboratory at The Children's Hospital is accredited by the Joint Commission and by the College of American Pathologists. The laboratory's CLIA ID# is 06D0513583 and the laboratory's CAP number is 2179701.