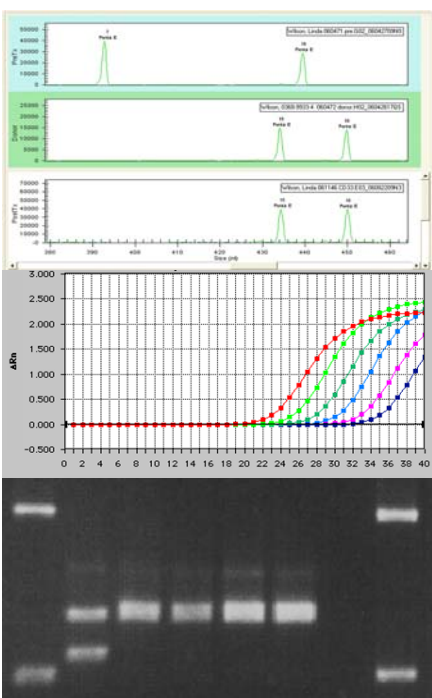


Operating since 1989, the Molecular Diagnostics Laboratory of The Children's Hospital in Denver Colorado, is dedicated to providing excellence in the Molecular Diagnostic testing. Our laboratory services are used by leading regional and national institutions and research centers. The laboratory is CLIA, CAP and JCAHO accredited.

**JCAHO accredited    CLIA# 06D0513583    CAP# 2179701**

### FULL SERVICE

A full service molecular diagnostic laboratory providing efficient, routine testing, as well as complex analysis in:



### Oncology and Bone Marrow Transplant

- |                                    |                              |
|------------------------------------|------------------------------|
| Bone marrow transplant engraftment | Chimerism Study by STR       |
| Maternal cell contamination        | t (11;22), t (21;22)         |
| Ewing's, PNET                      | t (2;13)                     |
| Alveolar rhabdomyosarcoma          | t (9;22) Major and minor     |
| CML and ALL                        | <i>Bcr/Abl1</i> Quantitative |
| CML quantitative monitoring        | t (15;17)                    |
| APL                                | ALL panel                    |
| ALL                                | AML panel                    |
| AML                                | ITD, D835                    |
| <i>FLT3</i> Gene Mutations         |                              |

### Genetics

APC resistance, hypercoagulability

Hypercoagulability

- Prothombin (F2 20210G>A)*
- Methylenetetrahydrofolate Reductase (MTHFR 677 C>T)*

### Infectious Disease

- |                |                               |
|----------------|-------------------------------|
| Whooping cough | <i>Bordetella pertussis</i>   |
| Meningitis     | Enterovirus                   |
| Herpes Viruses | Epstein Barr, Cytomegalovirus |
|                | Herpes Simplex I, II          |

### COST EFFECTIVE

Competitively priced  
 Facility discounts available to physician practices, clinics, laboratories and hospitals.

### RAPID TURNAROUND

Reports by telephone and/or autofax

### TIME

- Oncology studies in 5-7 days
- Chimerism studies in 2-5 days
- Genetic studies in 3-7 days
- Infectious Disease studies in 1-3 days
- Priority study results in 24-48 hours

### SPECIMEN TRANSPORT

Courier service within the Denver metropolitan area  
 Federal Express pick-up and delivery

Send-out kits available

## CUSTOMIZED SERVICE

Adapted to your individual practice needs  
Priority testing available  
Testing algorithms  
Test packages

## CONSULTATION AND INTERPRETATION

Coordinate complex genetic testing needs  
Expert consultation and interpretation of molecular studies  
Relevant literature references/articles and graphic display of abnormalities

## CONTINUOUS QUALITY IMPROVEMENT

Laboratory reference for CAP proficiency testing  
Essential performance indicators include quality of service, optimal resource utilization and patient and clinician satisfaction

## EDUCATION

Seminars and educational in-services on topics of interest to your specialty are available.

## LABORATORY DIRECTION

*Mark A. Lovell, MD*, serves as the Medical Director of the Molecular Diagnostics Laboratory. Dr. Lovell has over 20 years experience in molecular genetic testing, having served in this capacity at the University of Virginia Hospital in Charlottesville, Virginia, prior to joining the medical staff at The Children's Hospital. He is an Associate Professor of Pathology at the University of Colorado Health Sciences Center. Dr. Lovell is certified by the American Board of Pathology in Anatomic and Clinical Pathology as well as Pediatric Pathology and by the American Board of Medical Genetics as a Clinical Molecular Geneticist. He served for ten years on the College of American Pathologists Molecular Pathology Committee, personally developing the first and largest proficiency testing program for molecular oncology as well as the laboratory inspection checklist. He helped found and remains active in the Association for Molecular Pathology, the largest professional organization specifically devoted to the diagnostic applications of molecular genetics.



*Qi Wei, CLSp(MB)*, has served as Laboratory Supervisor since its inception in 1989. He is nationally recognized for his expertise in molecular laboratory techniques and quality assurance and is a frequent speaker at the annual meetings of the Association for Molecular Pathology.

The Molecular Diagnostic Laboratory's technical staff has an aggregate of over 50 years experience in diagnostic molecular testing.

**WE LOOK FORWARD TO PROVIDING YOU WITH THE TOOLS  
TO CARE FOR YOUR PATIENTS**



The Children's Hospital



The Children's Hospital



The Children's Hospital