

Pediatric CTRC Molecular Core Update

To best meet the increasing demand for Molecular Core services as part of the CTRC, we've recently updated our services offered by the Molecular Core and changed the lab in which these services will be provided. The services offered include the isolation of gene segments, gene sequencing and detection of mutations and polymorphisms. This testing is performed in the UCDHSC DNA Diagnostic Laboratory in the Department of Pediatrics under the direction of Drs. Elaine Spector and Gunter Scharer. For requesting tests currently offered, investigators should contact Drs. Spector and Scharer directly and visit the DNA Diagnostics Lab website at www.uchsc.edu/dnalab

These services are available to Pediatric CTRC investigators for Pediatric GCRC and COMIRB-approved protocols that utilize other resources and services of the Pediatric CTRC. Request for these services will be made at the time of submission of protocols for review by the Scientific Advisory Committee of the CTRC. Investigators are requested to contact Dr. Spector at 303-724-3801, Elaine.spector@uchsc.edu or Dr. Scharer at 303-861-6395, scharer.gunter@tchden.org prior to submission of protocols to discuss study design and the specific tests to be requested. Investigators should also contact Kristin Benn at 303-837-2957 to discuss the budgetary issues related to requesting these tests. The CTRC requires a 50% cost share for all molecular test development and analysis.

<u>UCHSC DNA Diagnostic Laboratory</u>
Techniques
DNA Isolation
RNA Isolation
PCR Assay (Gel Detection)
Reverse Transcription (RT)
Gene expression (SYBR™, Taqman™ assay)
Genotyping (DNA Sequencing, or other methods, i.e. Taqman™ assay)
DNA Sequencing (entire coding regions or specific sections)
Experimental Design
Probe/Primers Validation
Result Database