

**To:** Clients of URMCLabs

**From:** M. Anwar Iqbal, PhD, FACMG  
Director, Microarray CGH Laboratory

**Re:** Microarray CGH Laboratory at URMCLabs

**Date:** 9/15/2011

One of the most promising diagnostic technologies available today is Chromosome Microarray Analysis also known as DNA Microarray CGH (Comparative Genomic Hybridization). At URMCLabs, part of the University of Rochester Medical Center, we are helping to deliver Microarray CGH in the most effective manner possible.

URMCLabs is the first clinical laboratory to be granted a permit by the New York State Department of Health's CLEP to run Microarray CGH testing. URMCLabs is one of more than 160 laboratories worldwide that belong to the International Standard Cytogenomic Array (ISCA) Consortium, which provides a standardized Microarray CGH chip design creating a uniform molecular karyotype for comparison in their public database (<https://iscaconsortium.org>.)

**Clinical Indications:**

- **Microarray CGH is recommended by American College of Medical Genetics (ACMG) as an initial screening test for:**
  - Global developmental delay (DD)
  - Intellectual disability (ID; MR)
  - Autism spectrum disorders (ASDs; Pervasive developmental disorders)
  - Multiple congenital anomalies (MCA)
- To size deletions or duplications and identify clinically significant genes in individuals with unbalanced chromosomal rearrangements.
- For prenatal specimens with abnormal ultrasound, family history of chromosomal rearrangement, balanced and unbalanced rearrangement or other indications of possible chromosomal abnormality

**Currently, the 44K oligo microarray testing is available. The high-resolution 180K + SNP arrays for uniparental disomy (UPD) are in validation.**

**CONTACT INFORMATION**

**For initial billing setup, pricing, and specimen mailing supplies, call Jim Borrelli, URMCLabs Outreach Business Development Manager, at 585-350-2648.**

**For technical questions regarding Microarray CGH, call the microarray laboratory at 585-350-2650.**