



INDIANA UNIVERSITY

DEPARTMENT OF MEDICAL AND MOLECULAR GENETICS
School of Medicine

Announcement of Changes to Acceptable Sample Types
IU Genetic Testing Laboratories
Division of Diagnostic Genomics
July 16, 2020

This announcement pertains to expanding the acceptable sample types in the IU Genetic Testing Laboratories, effective immediately. To further enhance patient care, the IU Genetic Testing Laboratories is now accepting extracted DNA as a specimen type for Chromosomal Microarray (CMA), Molecular Genetics, and Pharmacogenomics testing if the DNA extraction occurs in a CLIA-certified laboratory or a laboratory meeting equivalent requirements as determined by the College of American Pathologists (CAP) and/or CMS.

In addition, the following criteria are required:

1. Chromosomal Microarray (CMA) Testing:
 - a. The concentration of the DNA is ≥ 50 ng/ μ L
 - b. The amount of DNA is ≥ 20 μ L
 - c. The quality of CMA data may be impacted when DNA is extracted by an outside laboratory. For best results, please provide a fresh blood specimen for this testing.
2. Molecular Genetics Testing:
 - a. The concentration of the DNA is ≥ 20 ng/ μ L
 - b. The amount of DNA is ≥ 5 μ g
 - c. The sensitivity of deletion/duplication testing assays may be reduced when DNA is extracted by an outside laboratory. For best results, please provide a fresh blood specimen for this testing.
3. Pharmacogenomics Testing:
 - a. The concentration of the DNA is ≥ 20 ng/ μ L
 - b. The amount of DNA is ≥ 1 μ g

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