Northwell Health Labs

TECHNICAL BULLETIN

☒NEW TEST ☒TEST CHANGE

NOTIFICATION DATE: 2/12/2020
EFFECTIVE DATE: 2/19/2020

Chromosome Microarray aCGH and SNP Testing Updates

Northwell Health Laboratories currently offers the High Resolution Chromosomal Microarray (ARRAY) test, which is performed by Sema4. On the effective date, Northwell will be offering an additional chromosomal microarray option: Prenatal Chromosomal Microarray. The Prenatal Chromosomal Microarray offers a more targeted resolution that reduces the likelihood of having uncertain variant findings in the setting of an otherwise normal pregnancy.

- **Prenatal Chromosomal Microarray**: Recommended for routine prenatal cases, including indications of parental concern, advanced maternal age, and increased risk for a chromosomal abnormality by family history, non-invasive prenatal testing (NIPT), or maternal serum screening
- **High Resolution Chromosomal Microarray**: Recommended for all postnatal cases (pediatric, adults, and products of conception), as well as prenatal cases with ultrasound findings. This array has an increased rate of variants of uncertain clinical significance (VUS) due to higher resolution

Test **Requirement/Parameters**	**New Additional Test** **Prenatal Chromosomal Microarray**	**Current Test** **High Resolution Chromosomal Microarray**
Method:	Comparative genomic hybridization (array CGH + SNP)	Comparative genomic hybridization (array CGH + SNP)
Specimen Requirements:	10 -15 mL Amniotic Fluid or 5 -10 mg Chorionic villi in sterile saline or Two confluent T-25 flasks	Whole blood Lavender top tube or POC in sterile saline. 10 -15 mL Amniotic Fluid or 5 -10 mg Chorionic villi in sterile saline or Two confluent T-25 flasks
Specimen Stability:	Room Temperature or Refrigerated	Room Temperature or Refrigerated
Computer Interface Code:	PDM # 1759406	PDM# 135302008
Test Order:	PREARRAY	ARRAY

If you have any questions, please contact Client Services at (516) 719-1100.