Medical Genetics

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Test: Metaphase Chromosome Painting – Amniotic Fluid/CVS/Blood/Bone Marrow

Multicolored Fluorescence In Situ Hybridization (M-FISH)

Purpose of Test: To identify chromosome abnormalities not otherwise identifiable with routine cytogenetics or single FISH probes.

Required Information: Please provide indications (ICD-9) for testing on our referral form with each specimen. Accurate testing and interpretation may otherwise be compromised.

Note: Routine chromosome analysis **must** be performed prior to M-FISH testing. If routine chromosome analysis has been previously performed at another reference laboratory, a copy of the karyotype(s) and the final report must accompany the specimen.

SUBMIT ONLY 1 OF THE FOLLOWING SPECIMENS:

- **Amniotic Fluid (AF)** - see cytogenetic section for collection information.
- **Chorionic Villus Sample (CVS)** - see cytogenetic section for collection information.
- **Peripheral Blood (PB)** - see cytogenetic section for collection information.
- **Bone Marrow (BM)** – see cytogenetic section for collection information.
- **Stored Pellets** - Samples on previously studied samples for cytogenetic analysis are kept for 6 months. These samples may be used for FISH analysis. After that time, an additional sample from the patient will be required.

Reflex Testing: Routine cytogenetic analysis if requested

Probes: Individual whole chromosome DNA probe sets that depict each chromosome in a unique color.

Turn Around Time: 1 week

CPT Code Information:

88271x23	Molecular cytogenetics; DNA probe, each (eg FISH)
88273x23	Chromosomal in situ hybridize, analyze 10-30 cells