

Prenatal Amniotic Fluid FISH (fluorescence *in situ* hybridization)

DESCRIPTION:

- Test allows for the rapid detection of common chromosome abnormalities (specific for chromosomes X,Y,13,18, and 21).

REASONS FOR REFERRAL:

- Testing is appropriate for cases where aneuploidy is suspected such as when fetal abnormalities have been detected at ultrasound. Structural rearrangements and mosaicism cannot be ruled out by this testing. Conventional cytogenetic studies should be done on all samples submitted for prenatal FISH.

METHOD OF ANALYSIS:

- Interphase fluorescence in situ hybridization
- Detects only aneuploidy for chromosomes X,Y,13,18,21; cannot rule out the presence of other chromosome abnormalities. Abnormal results should be confirmed by conventional cytogenetic analysis. Maternal cell contamination may affect results.
- Results are usually available the next day (Monday-Friday). A preliminary (verbal) result can be provided on the weekend (Saturday-Sunday) if requested.

SAMPLE REQUIREMENTS:

- 5 ml. amniotic fluid
- Maintain specimen at room temperature. Do not freeze or refrigerate.

TEST CPT CODES:

- CPT 88271 probes 13, 18, 21, X, Y
- CPT 88274 nuc ish analysis 25-99: slides
- CPT 88291 interpretation and report

Discounts from list price are available for institutional billing under contractual arrangement with the laboratory. Contact Ellen Livers at 800-447-6614 ext 7523.