
Lab Dept: **Anatomic Pathology**

Test Name: **FISH ANEUPLOIDY/PERINATAL PROBE**

General Information

Lab Order Codes: PRP

Synonyms: Aneuploidy of chromosomes X, Y, 13, 18, 21; Aneuploidy probe study; Perinatal probe X/Y/18/13; Aneuploidy FISH; Trisomy 13, 18, or 21; Sex chromosome abnormalities, Down, Turner or Klinefelter Syndrome

CPT Codes: 88271 x5 – Molecular cytogenetics, DNA probe, each (eg, FISH)
88274 x2 – Molecular cytogenetics; interphase in situ hybridization, analyze 25-99 cells

Test Includes: Interpretive report of findings

Logistics

Test Indications: Prenatal or congenital blood specimen study to determine aneuploidy of chromosomes X, Y, 13, 18 or 21

Lab Testing Sections: Anatomic Pathology – Sendouts

Referred to: Allina Medical Laboratories

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: 24 hours daily

Turnaround Time: 1 – 4 days

Special Instructions: Special tube required. [See Container](#), contact the laboratory for appropriate tube.

Specimen

Specimen Type: Whole blood

Container: Green top (Sodium Heparin), no gel, tube

Draw Volume: 5 mL (Minimum: 2 mL) blood

Processed Volume: Same as Draw Volume

Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do Not centrifuge. Forward specimen to Send Outs. Store and ship at room temperature, avoid freezing. Ship on the same day of collection to arrive at reference lab 7 days a week. Each specimen should be labeled with two forms of patient identification. These forms of identification must also appear on the requisition form.
Patient Preparation:	None
Sample Rejection:	Improper storage; mislabeled or unlabeled specimen; wrong container (anticoagulant or solution); improper blood/anticoagulant ratio; delay in transport; inappropriate timing of collection; interfering substances; dietary limitations; container leakage resulting in compromised specimen

Interpretive

Reference Range:	Normal or abnormal with interpretation
Critical Values:	N/A
Limitations:	The cytogenetics lab does not report mosaic FISH results.
Methodology:	Fluorescent In situ Hybridization
References:	Allina Medical Laboratories August 2013