
Lab Dept: **Anatomic Pathology**

Test Name: **FISH LOCUS SPECIFIC (METAPHASE)**

General Information

Lab Order Codes: FISUM

Synonyms: Fluorescent in Situ Hybridization; FISH Select Locus; FISH Constitutional; FISH Congenital

CPT Codes: 88273 – Chromosomal in situ hybridization, analyze 10-30 cells
88271 – Molecular cytogenetics, DNA probe, each
88291 – Cytogenetics and molecular cytogenetics, interpretation and report
88230 – Tissue culture for non-neoplastic disorders; lymphocyte

Charges may vary with type of probe, analysis and interpretation required, as determined by the testing laboratory. Each probe ordered will accrue a probe and analysis charge.

Logistics

Test Indications: Detection of common genetic aberrations in patients that are of diagnostic and prognostic significance. Results of this test must always be interpreted in the context of relevant clinical and pathological data and should not be used alone for diagnosis.

Lab Testing Sections: Anatomic Pathology – Sendouts

Referred to: MHealth Fairview University of Minnesota Medical Center Cytogenetics
UM Test Code: LAB4736 (aka LAB1402) or FISHCG

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily

Turnaround Time: Results in 29 days

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

Testing laboratory requires the following additional information in the order:

- Family History
- Clinical Indications for Testing
- Probe requested

Specimen

Specimen Type: Whole blood

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

Draw Volume: 5 mL (Minimum: 3 mL) blood

Processed Volume: Same as draw volume

Collection: Routine venipuncture

Special Processing: Lab Staff: Do not centrifuge. Forward specimen to Sendouts. Store and ship at room temperature. For optimal testing results, the specimen must arrive at reference lab within 24 hours of collection. Specimens may be viable for the cell culture portion for up to 72 hours. Partial results from DNA extraction may be available for specimens up to 7 days.

Specimens must be received in the Cytogenetics Laboratory Mon-Fri by 5:30 pm, weekends and holidays by 4:30 pm. Specimens received after these cutoffs will be processed the following day.

Sendouts must follow prompts or manually enter the answers to the required order questions in SmarTerm prior to Atlas entry.

Patient Preparation: None

Sample Rejection: Improper storage, mislabeled or unlabeled specimen. Clotted or frozen specimen. Incorrect specimen collection tube (anticoagulant).

Interpretive

Reference Range: An interpretive report will be provided

Critical Values: N/A

Limitations: N/A

Methodology: Fluorescent in Situ Hybridization (FISH)

References:

[Fairview Diagnostic Laboratories](#) January 2023

Updates:

2/5/2013: CPT update

5/15/2019: Updated locus list

1/18/2023: Updated test name, reference lab codes, cpt codes and required ordering information