**FISH STUDIES**

**Orderable - CGENRB – Specify FISH probe**

**Turnaround Time:** 2 weeks  
**STAT:** 3 weekdays

**Alternate Name(s):**
Fluorescent In Situ Hybridization

**Specimen:**

**Blood:**
3-6 mL peripheral venous blood in a sterile, Sodium Heparin Vacutainer. If <3 mL is collected, it must be in a 3 mL Vacutainer to allow for appropriate sample to anticoagulant ratio.

or

**Bone Marrow:**
1-2 mL of bone marrow in a 3 mL Sodium Heparin Vacutainer (dark green top tube)

or

**Lymph Node/Tumor:**
2-3 mm² Lymph Node or Tumor Biopsy in RPMI media (see Comments)

or

**Paraffin Slides:**
4µm sections mounted on positively charged slides, prepared and sent from a clinical pathology laboratory. A representative H&E Histology section outlining areas of interest for examination must be included with 4 paraffin slides for each FISH probe requested.

**Collection Information:**

All specimens should be:
- At room temperature (15-25°C),
- Sterile
- Sent to the laboratory within 24 hours
- Do not freeze, heat, open or separate sample (must maintain sterility).
- Lithium heparin or EDTA specimens are unacceptable.
- On requisition, please specify chromosome disease/syndrome and/or DNA probe to be tested.

**Reference Ranges:**

See report
Special Processing:
Solution for Specimen Collection:
Contact the Cytogenetics Laboratory in advance for sterile aliquots of RPMI media for lymphomas/tumors for collection. This media may be frozen, and thawed at room temperature (15-25°C) as needed. Media must be used by the expiry date written on the tube.

Comments:
The Cytogenetics Lab is staffed from 0700-1700 (Monday-Friday), ext. 78974 (office), or 78975 (lab).

For additional information please refer to the Molecular Diagnostic Laboratory.

Storage and Shipment:
If unable to transport immediately, store at 4°C and transport at room temperature (15-25°C) within 24 hours.