

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



Laboratory:
Cytogenetics Lab



Requisition:
[CYTOGENETICS
REQUISITION](#)



Method of Analysis:
FISH



Test Schedule:
As required



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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.