

REQUISITION FOR DIAGNOSTIC FFPE FISH TEST

DOWNTIME FORM

Chromosome Pathology Section, Laboratory of Pathology, NCI, NIH
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PATIENT INFORMATION

Name _____ Date of Request: _____
Last First MI
Gender: Male Female DOB (Age): _____
CRIS Order # (if any): _____
Pathology Case Number: _____ Medical Record Number: _____
Requesting Physician: _____ Pager/Telephone #: _____

SPECIMEN INFORMATION

FFPE Tissue Sections on (1 H&E + 4 unstained, 5µm) Number of slides _____
Slide type: HistoBond/TrueBond (provided)
 Plus charged
Fixation Time _____
 Lys coated (6-72 hrs preferred)
 Other: _____
 Outside Case #: _____ SoftPath Block ID: _____ Tissue Source: _____

CLINICAL INFORMATION

Diagnosis / Preliminary Diagnosis: _____
Brief Clinical History: _____
Molecular Diagnostic History (if any): _____

TEST REQUESTED

Translocation

- c-MYC break apart
- BCL-2 break apart
- BCL-6 break apart
- ALK break apart

Copy Number Variation

- HER2 amplification
- MET amplification
- 1p/19q deletion

TEST RESULTS – For Lab Use Only*

**currently for research or non-treatment decision only*

Specimen #: _____ FD #: _____ Date of Accession: _____

Number of cells analyzed: _____ Number of tissue sections: _____

Specimen QC: satisfactory unsatisfactory

Controls QC: satisfactory unsatisfactory

Test Name

Test Result

Test Name	Test Result
_____	_____
_____	_____
_____	_____
_____	_____

Signature: _____ Date: _____ Turnaround Time: _____

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Head, Chromosomal Pathology Section

Instructions for Specimen Submission for FFPE FISH Tests

I. In-house Cases

For specimens collected at the NIH Clinical Center, requesting physicians will enter the request for FFPE FISH in the Clinical Research Information System (CRIS) in the same order used for requesting Surgical Pathology services. The box labeled "Tissue FISH Requested" should be checked and the specific test names should be listed in the 'Special Instructions' section at the bottom of the order.

II. Outside (Submitted) Cases

If FISH testing is needed on patient blocks or slides submitted from an outside facility for enrollment to a NIH protocol, a CRIS order for "Surgical Pathology – Outside Material", should be entered. The Tissue FISH Requested box should be checked and specific tests entered into the "Special Instructions" box as for specimens collected at NIH. If a CRIS order cannot be entered because the patient is in pre-admit status, fill out an "Outside Tissue Examination Form" (available in the Surgical Pathology Office). This form must be filled out completely and the specific FISH tests listed. Submit the CRIS order or Outside Tissue Examination Form along with the slides/blocks and the outside laboratory's pathology reports. Please include the Outside Case Number, Block ID, and Tissue Source on your request.

III. Information about tissue quality and submission of slides/blocks from other hospitals

The amount of tissue required for molecular tests on solid tumors is variable and depends upon both specimen size and tumor content of the specimen. When you are requesting specimens from outside hospitals for evaluation at the NIH, a tissue block is preferred, for then we can control how the slides are prepared. However, many institutions will not release paraffin blocks and unstained slides must be requested instead. Please follow the guidelines below for specimen collection and handling:

- Optimally, tissues should be fixed in formalin for 6-72 hours prior to processing and embedding. Tissue from B-5 or other mercuric fixatives generally does not hybridize well and will not be accepted.
- Unstained sections should be cut at 5 microns thickness and mounted on TrueBond 380 (preferably) or positively charged slides.
- For brain sections, two separate sections on a single slide are preferred.
- Slide should be air dried and not oven dried.
- Slides must be clearly marked with the patient's Surgical Pathology number.
- Slides must be tested within 6 weeks of microtomy.
- Store blocks and slides at room temperature (20-23.5° C) until submission.
- Submit 2 unstained slides and 1 H&E or special stained slide for each test.

Test Menu

Test Name	Assay Description	Assay Type	Category/Disorder	Clinical Use
ALK	FISH with break apart probe	Qualitative	Oncology/ Genomic rearrangement	Supportive diagnosis/ Treatment selection in Lung cancer, Lymphoma
BCL2	FISH with break apart probe	Qualitative	Hematopathology/Suspected B-cell neoplasms	Supportive diagnosis
HER2	Amplification (FISH)	Qualitative	Oncology/ Genomic rearrangement	Supportive diagnosis / Treatment selection in Breast cancer
c-MYC	FISH with break apart probe	Qualitative	Oncology/Genomic rearrangement	Supportive diagnosis/ Treatment selection
1p/19q	Deletion	Qualitative	Oncology/ Genomic rearrangement	Supportive diagnosis
BCL6	FISH with break apart probe	Qualitative	Hematopathology/Suspected B-cell neoplasms	Supportive diagnosis

Contact information

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