Information for Reporting

Name of ordering physician: ____________________________
Address: ____________________________
Phone: ____________________________ Fax: ____________________________

Instructions

1. Complete all information as requested
2. Send requisition with specimen to TGH 3 East (Eaton) Wing, 3-347
3. Keep specimen at Room Temperature unless frozen
4. If shipping, send same day or next day delivery
5. Specimen labeling: Name, DOB and MRN#

Clinical Information

Reason for Referral

Current Status of Patient

- First sample at diagnosis
- Follow-up

On Chemo (specify type)______ (wks/mos/ysrs)______

Comments/clinical details:

Sample Information

Molecular Diagnostics

- Peripheral blood
  - 20 cc in EDTA for leukemia/lymphoma
  - 10 cc in EDTA for all others
- Bone marrow from a relocated needle
  - 1-2 cc in EDTA
- Bone core biopsy 5-10 mm in sterile medium or saline

KRAS testing: Metastatic colon carcinoma

- Cut 5 unstained sections @ 7µm thickness on uncoated slides (Minimum tissue size should be 0.25mm². If smaller, 10 sections are required.)
- Air-dry unstained sections at room temperature. Do not dry in oven.
- After cutting unstained sections, cut an H&E @ 4 µm and circle the tumor on this H&E stained slide.
- Orient all unstained and stained sections in the same way.
- Store all slides at room temperature and send within 5-7 days of cutting.
- A copy of the Pathology report and a letter from the oncologist indicating that this patient is being considered for anti-EGFR therapy must be sent with the sample.

- Paraffin embedded tissue: 10X10 µm sections in eppendorf tube
- Solid tumor / lymph node
  - 5 mm³ frozen or in 10 ml sterile medium
- Cultured cells: 10⁷ proliferating cells
- CSF: As much as possible
- FNA: As much as possible

Cytogenetics

- Peripheral blood
  - 10 cc in sodium heparin
- Bone marrow from a relocated needle
  - 1-2 cc in sodium heparin
- Bone core biopsy 5-10 mm in sterile medium or saline (cannot be used for FISH)
- Paraffin Embedded Tissue (FISH)
  - 3 x 20 µm sections in eppendorf tube

Collection date/time:
Collected by:

Lab consultation needed for any alternate specimen type
Molecular Oncology Test(s) Requested
- Lymphoma
  - B-cell neoplasia
    - B-cell clonality
    - BCL2
  - T-cell neoplasia: T-cell clonality
- Solid tumors
  - Oligodendrogloma: LOH of 1p and 19q
    - Note: Need 10mL peripheral blood as well as tissue
  - Papillary thyroid carcinoma: BRAF
  - Metastatic colon carcinoma: KRAS
  - GIST: KIT, PDGFRα
  - Synovial sarcoma: t(X;18)
- Virus detection and/or typing
  - HHV8
  - EBV
    - Qualitative
    - Quantitative
  - HPV
- CML, ALL
  - BCR/ABL1 t(9;22)
  - ABL1 kinase domain mutation
  - T315I only
- ALL, AML
  - TEL/AML1 t(12;21)
  - MLL/AF4 t(4;11)
- AML
  - AML1/ETO t(8;21)
  - PML/RARA t(15;17)
  - CBFβ/MYH11 Inv(16) or t(16;16)
  - FLT3 (ITD & D835 mutations)
  - NPM1
- Mastocytosis: KIT (require BM only)
- Hypereosinophilic syndrome, CEL: FIP1L1/PDGFRα
- JAK2 V617F (Specify PV_____ ET _____ or MF_______)

Identity Test (15 STRs and amelogenin XY loci)
- BMT monitoring
- Specimen matching