Cancer Cytogenetics & Molecular Diagnostics Laboratories **University Health Network / Department of Pathology** Patient Information or Hospital Stamp Here Toronto General Hospital Eaton Wing 11-444, 200 Elizabeth Street Last name: Toronto, Ontario M5G 2C4 First name: Cytogenetics Laboratory Tel: (416) 340- 4800 x 5725 Molecular Diagnostics Laboratory Date of birth (DD/MM/YYYY): Tel: (416) 340- 4800 x 5739 Fax: (416) 340-3596 Sex: Hours of Operation (Mon.-Fri.): 8:30AM-4:30PM Health card number: Director: Suzanne Kamel-Reid, PhD, FACMG Molecular Geneticist: Cuihong Wei, PhD, FCCMG CAP#: 7175217 Hospital number: **Information for Reporting** Instructions 1. Complete all information as requested Name of ordering physician: Address: 2. Send requisition with specimen to TGH 3 East (Eaton) Wing, 3-347 3. Keep specimen at Room Temperature unless frozen Phone: Fax: 4. If shipping, send same day or next day delivery 5. Specimen labeling: Name, DOB and MRN# **Clinical Information** Reason for Referral Ethnicity **Current Status of Patient** Predictive / Presymptomatic Carrier screen First sample at diagnosis Family history? Yes No Follow-up Pedigree name / number: On Chemo (specify type)_____ (wks/mos/yrs)____ Relationship to proband: Family mutation if known: Comments/clinical details: **Sample Information Molecular Diagnostics** Peripheral blood Paraffin embedded tissue: 10X10 µm sections 20 cc in **EDTA** for leukemia/lymphoma in eppendorf tube 10 cc in **EDTA** for all others Solid tumor / lymph node Bone marrow from a relocated needle 5 mm³ frozen or in 10 ml sterile medium Cultured cells: 10⁷ proliferating cells 1-2 cc in **EDTA** Bone core biopsy 5-10 mm in **sterile** medium or CSF: As much as possible FNA: As much as possible KRAS testing: Metastatic colon carcinoma **Cytogenetics** Cut 5 unstained sections @ 7μm thickness Peripheral blood on uncoated slides (Minimum tissue size should 10 cc in sodium heparin be 0.25mm². If smaller, 10 sections are required.) > Air-dry unstained sections at room temperature. Bone marrow from a relocated needle Do not dry in oven. 1-2 cc in **sodium heparin** After cutting unstained sections, cut an H&E @ Bone core biopsy 5-10 mm in sterile medium or 4 μm and circle the tumor on this H&E stained saline (cannot be used for FISH) □ Paraffin Embedded Tissue (FISH) Orient all unstained and stained sections in the 3 x 20 µm sections in eppendorf tube 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 Collection date/time: the oncologist indicating that this patient is being

Collected by:

considered for anti-EGFR therapy must be sent

with the sample.

Lab consultation needed for any alternate specimen type

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■ BMT monitoring

Specimen matching

0 NPM1

□ Hypereosinophilic syndrome, CEL: FIP1L1/PDGFRα

□ JAK2 V617F (Specify PV_____ ET____ or MF____)

■ Mastocytosis: KIT (require BM only)