## Diagnosis and Clinical History

Please Specify:

- **Previous Cytogenetic Analysis**: Yes □ No □

**Peripheral Blood**: *(Note: Blood may be processed for Karyotype if circulating blasts are >10%)*

- **CLL**
  - Stimulated Karyotype and FISH (MYB, ATM, CEN 12, 13q14.2, IGH, TP53) – 3 mL in Sodium Heparin to RCH
  - IGHV Mutational Status Test – 2 X 5 mL in EDTA, sent to VGH

- **CML**
  - Diagnostic FISH: BCR/ABL t(9;22) – 3 mL in Sodium Heparin to RCH
  - MRD Baseline □ MRD Monitor □ Kinase Domain – 4 X 6 mL in EDTA, sent to BC Cancer

- **APL**
  - Diagnostic FISH: PML/RARA t(15;17) – 3 mL in Sodium Heparin to RCH
  - MRD Baseline □ MRD Monitor – 4 X 6 mL in EDTA, sent to BC Cancer

- **Eosinophilia**
  - Diagnostic FISH: FIP1L1/CHIC2/PDGFR, PDGFB, FGFR1, JAK2 – 3 mL in Sodium Heparin to RCH

**Bone Marrow**: This procedure requires pre-booking with the Hematology Department of the collecting hospital

- Collection Criteria: 2 X 2-4 mL bone marrow in transport media *(available from RCH Molecular Cytogenetics Laboratory)*

- **Acute Myeloid Leukemia (AML)**
  - Karyotype □
  - FISH (specify):
    - RUNX1/RUNX1T1 t(8;21)
    - CBFB rearrangement inv(16)
    - BCR/ABL t(9;22)
    - KMT2A

- **Other, specify** □

- **Acute Promyelocytic Leukemia (APL)**
  - Karyotype □
  - FISH: PML/RARA t(15;17)

- **Acute Lymphoblastic Leukemia (ALL)**
  - Karyotype □
  - FISH: BCR/ABL t(9;22)

- **Other, specify** □

- **Chronic Myelogenous Leukemia (CML)** □
  - Karyotype □

- **Myeloproliferative Neoplasm** □
  - Karyotype □
  - FISH: BCR/ABL t(9;22)

- **Multiple Myeloma (Bone Marrow only)** □
  - Karyotype □
  - FISH: CDKN2C/CKS1B (1p/1q), TP53, FGFR3/IGH, CCND1/IGH, IGH/MAF

**Ordering Physician Signature (Required)**

**Date (DD/MM/YY)**