

HSNgenomics Ordering Instructions

Please send:

- 1) Specimen(s) appropriate for the requested testing, clearly labeled with patient identifiers
- 2) Completed order form (best if filled out electronically and printed off)
- 3) Copy of associated sample paperwork
(e.g. blood or bone marrow draw slips, copy of most current pathology report - does not need to be a finalized report)

Blood or liquid bone marrow aspirate (ship ambient*)

EDTA tube – required for all tests listed as DNA &/or RNA

- optimally 5ml blood and at least 1.5 ml bone marrow
- less will be accepted, but may not provide results

Sodium heparin – required for karyotype and FISH testing (additional EDTA tube is also requested if possible)

- optimally 5ml blood and at least 1.5 ml bone marrow
- less will be accepted, but may not provide results

Paraffin-embedded material (ship ambient*)

Ship appropriate block(s)

H&E slide corresponding to block(s) shipped are requested (if not sent, an H&E will be made at HSN and slow testing)

**** blocks and sent H&E sections will be sent back promptly upon completion of testing****

Unstained slides from block most appropriate for testing will be accepted if no block can be sent

- 10 sections cut at ~7um mounted on charged slides
- 1 section cut at 4um (and labeled as such) for H&E

Fresh solid tissue (ship ambient*)

Ship in saline or tissue culture medium such as RPMI

Fresh frozen solid tissue (ship on dry ice)

Flash freeze in RPMI in liquid nitrogen

Body fluids (ship ambient* in collection tube)

Additional notes:

* To avoid sways in sample temperature during shipping, it is recommended that samples shipped ambient are sent in a Styrofoam cooler with a wet ice pack.

The following sample types are not amenable to DNA and RNA-based testing and should not be sent:

- 1) acid decalcified, paraffin-embedded bone marrow biopsy samples (bone marrow aspirate clot samples in FFPE are suitable)
- 2) tissue subjected to B5 fixation

RNA and DNA can degrade rapidly in fresh samples. Testing should be performed as soon as possible after acquisition.

Sample for RNA-based tests ≤ 3 days old will be tested routinely.

Samples for RNA-based tests 4-7 days old will be tested, but the sensitivity of negative results will be evaluated carefully.

Samples >7 days old will be rejected.

Samples for DNA-based testing >7 days old will be tested at the discretion of the signing pathologist.

**Send samples to: Genomics Laboratory
Department of Pathology
Ramsey Lake Health Centre
41 Ramsey Lake Road
Sudbury, Ontario, Canada
P3E 5J1**

**Lab Contact: Phone: 705-523-7100 ext 1577
Fax: 705-675-4728
E-mail: contactus@HSNgenomics.org**