

HSNgenomics Test Order Form (Constitutional) (current as of January 1, 2016)

Please refer to www.HSNgenomics.org for ordering instructions and test information

Name (last, first)	Sex M F DOB	Case#
	Sample Date	Sample already at HSNgenomics
<i>Sticker may be placed here</i>	Sample Type	
	Ordering Physician	
	Send report to <small>(secure fax or postal)</small>	

Newborn with multiple abnormalities (list)

Ambiguous genitalia

Dysmorphic facies (specify)

Developmental abnormality (specify)

Mental retardation

Suspected syndrome (use drop down menu or write in)

Amenorrhea

Infertility

Patient with ≥ 3 pregnancy losses

Spouse with ≥ 3 pregnancy losses

Patient is being tested as part of a family study

Name of relative 1	Name of relative 2 (if applicable)
Relationship of relative 1 to patient	Relationship of relative 2 (if applicable)
Describe abnormality(ies) (if applicable)	
Relative 1	Relative 2

Testing Requested

Stabilize sample for potential future genomic testing	
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Constitutional syndrome evaluation, CGH array, DNA, qualitative <small>(M = medium complexity fee)</small>	
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Fluorescence in situ hybridization (FISH), DNA, qualitative <small>(L= low complexity fee)</small>	
List targets desired, if known	

F5, Leiden variant, DNA, qualitative (L)	
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F2, focused variants, DNA, qualitative (L)	
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Karyotype, G-bands, constitutional (L)	
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Testing desired is not seen above (write in request)	
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Just perform requested testing	Perform requested testing with additional testing as deemed appropriate by the laboratory
Comments:	

HSNgenomics Ordering Instructions

Please send:

- 1) Completed order form (works best if downloaded and saved, is filled out electronically and then printed off)
- 2) Specimen(s) appropriate for the requested testing, clearly labeled with patient identifiers
(if the specimen is already stabilized and being held at HSN, please specify this by checking the box in the top section of the order form)
- 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 using 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 for DNA or RNA tests >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 5J**

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