Lesional tissue should constitute >20% of nucleated elements for optimal analysis.

**Peripheral Whole Blood**
- Fill one EDTA (lavender-top) tube with blood (for submission, not for waste).
- Collect 2.5 mL blood in one PAXgene blood RNA tube (see separate instruction sheet for additional details).
- Confirm that both the EDTA and PAXgene tubes are labeled with the specimen type (e.g., PB = peripheral blood), date of collection, and two unique patient identifiers (labels included in kit).
- Ship BOTH tubes via FedEx overnight, ambient temperature (see shipping instructions below for further details).

**Bone Marrow Aspirate**
- Collect 2.5 mL bone marrow aspirate in one EDTA (lavender-top) tube.
- Confirm tube is labeled with the specimen type (e.g., BMA = bone marrow aspirate), date of collection, and two unique patient identifiers (labels included in kit).
- Ship via FedEx overnight, ambient temperature (see shipping instructions below for further details).

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**Additional Submission Requirements**
1. Peripheral whole blood and bone marrow aspirate must be received the day after collection for optimal analysis, as sensitivity of detection may degrade with time. If procuring specimens on Friday, please FedEx priority overnight and specify Saturday delivery to ensure timely receipt.
2. Neoplastic/lesional cells must constitute at least 20% of nucleated cellular elements (tumor content will be determined based upon cytomorphologic review in conjunction with other supporting laboratory results when appropriate).
3. Specimens should NOT be frozen prior to submission.
4. Please submit concurrent or recent laboratory test results (e.g., CBC / differential, flow cytometry results, final bone marrow pathology report) if available (these documents may be faxed after specimen shipment; fax to 617.418.2290).

**Extracted Nucleic Acid Submission Requirements**
Extracted nucleic acid (DNA & RNA) must originate from a CLIA-certified laboratory or a laboratory meeting equivalent requirements.

<table>
<thead>
<tr>
<th>NUCLEIC ACID TYPE</th>
<th>SUBMISSION FORMAT</th>
<th>CONCENTRATION*</th>
<th>VOLUME</th>
<th>SHIPPING INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNA</td>
<td>Nuclease-free water</td>
<td>Picogreen: ≥3.5 ng/µl UV: ≥10 ng/µl</td>
<td>≥60 µl</td>
<td>Domestic: ship overnight, ambient International: ship overnight, frozen on dry ice</td>
</tr>
<tr>
<td>RNA</td>
<td>Nuclease-free water</td>
<td>Ribogreen: ≥20 ng/µl</td>
<td>≥30 µl</td>
<td>Domestic/International: ship overnight, frozen on dry ice</td>
</tr>
</tbody>
</table>

* Please specify concentration on requisition form.

See reverse for shipping instructions.
Shipping Instructions

1. Place the samples, FoundationOne®Heme requisition form, insurance information, and any other attachments into the FoundationOne Heme Specimen Collection and Shipping Kit.

2. Place the specimen kit (including samples and paperwork) into the provided FedEx shipping pack, first ensuring that primary specimen containers (e.g. tubes) are labeled with two patient-specific identifiers. Seal the shipping pack.

3. If using shipping pack provided in this kit (recommended), recording the Kit ID # will allow you to properly track specimen. If you use a different shipping pack, consider recording that pack’s tracking #.

4. Call 800.463.3339 to request a pick-up or drop the package at your site’s designated FedEx pick-up location and ship sealed shipping pack to:

   Foundation Medicine, Inc.
   7010 Kit Creek Road
   Morrisville, NC 27560
   Phone: 888.988.3639

   Please ship priority overnight using enclosed label. (Note: Saturday delivery, when appropriate, must be specifically marked on the airbill in order to ensure proper handling.)

INTERNATIONAL ONLY: Make three copies of the commercial invoice for FedEx courier and include with air waybill in FedEx documents pouch.