

 Eastern Health Laboratory Medicine	<b>Section:</b> Management System\Eastern Health\Genetics\Collection Manual\Molecular\	
	<b>Title:</b> Molecular Genetics Specimen Collection Instructions	<b>Number:</b> 8440
	<b>Effective Date:</b> 3/1/2022	<b>Version:</b> 2.0
		<b>Status:</b> Current

<b>Molecular Genetics Laboratory Specimen Collection Instructions</b>	
<b>To prevent avoidable delays or cancellation of testing, use the checklist below to ensure specimen type, volume, day of collection, and shipping are correct.</b>	
<b>Specimen volume requirements</b>	
Peripheral blood	<input type="checkbox"/> Adults 4-8 mL <input type="checkbox"/> Adolescents 4-5 mL <input type="checkbox"/> Children 4-5 mL <input type="checkbox"/> Infants 2-5 mL
Bone marrow	<input type="checkbox"/> 1-2 mL (final aspirate draw)
<b>Instructions for all specimens</b>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Specimens <b>MUST</b> be accompanied by a completed requisition. <b>DO NOT</b> collect specimens without a completed requisition.</li> <li><input type="checkbox"/> Use <b>potassium EDTA lavender-top vacutainer(s)</b> for specimen collection. Other vacutainers will be rejected.</li> <li><input type="checkbox"/> Mix specimen after draw. <b>DO NOT</b> centrifuge.</li> <li><input type="checkbox"/> Confirm a <b>minimum of two matching personal identifiers</b> on the vacutainer that match the requisition. Specimens without a minimum of two matching personal identifiers will be rejected.</li> <li><input type="checkbox"/> Clearly indicate <b>collection date and time</b> on the vacutainer and requisition. Specimens and requisitions without collection date and time will be rejected depending on test ordered**.</li> <li><input type="checkbox"/> Clearly indicate the <b>mnemonic of the healthcare professional</b> collecting the specimen on the vacutainer.</li> <li><input type="checkbox"/> <b>Pack specimens with a matching requisition separately</b> in a biohazard bag. If multiple specimens and requisitions are packed in the same biohazard bag, all specimens will be rejected.</li> <li><input type="checkbox"/> Ship specimens at <b>room temperature or 4 degrees</b> as soon as possible on <b>day of collection</b> using priority shipping.</li> <li><input type="checkbox"/> <b>DO NOT</b> freeze specimens for shipping.</li> <li><input type="checkbox"/> Specimens should arrive at the testing laboratory <b>within 48 hours from time of collection</b>. Specimens arriving after 48 hours will be rejected depending on test ordered**.</li> </ul>	
<b>**Special instructions for RNA-based testing (APL: PML/RARA; CML/ALL: BCR/ABL1)</b>	
<ul style="list-style-type: none"> <li><input type="checkbox"/> Collect specimens <b>Monday-Wednesday</b> inclusive. Specimens that arrive after <b>12PM on Friday</b> will be rejected.</li> <li><input type="checkbox"/> Include <b>most recent complete blood count (CBC) report</b> and send with specimen and completed requisition.</li> </ul>	
<b>Ship specimens (with requisitions) priority overnight</b>	
<b>Molecular Genetics Laboratory, Eastern Health</b> <b>c/o Lab Office, Eastern Health, Health Sciences Centre (HSC)</b> 300 Prince Philip Drive, St. John's, NL A1B 3V6	
<b>Current, controlled molecular genetics requisitions &amp; clinical indications for testing</b>	
Whole blood specimens   <a href="http://www.easternhealth.ca/DownFile.aspx?fileid=5022">http://www.easternhealth.ca/DownFile.aspx?fileid=5022</a> Bone marrow aspirates   <a href="http://pulse.easternhealth.ca/Pages/ImageLoader.aspx?FormID=2087">http://pulse.easternhealth.ca/Pages/ImageLoader.aspx?FormID=2087</a> Clinical indications for testing   <a href="https://www.gov.nl.ca/labformulary/">https://www.gov.nl.ca/labformulary/</a>	
<b>Questions about specimen collection, requisitions, or clinical indications for genetic testing?</b>	Contact the Molecular Genetics Laboratory @ 709.777.4161