

# HematoLogics Specimen Requirements



Specimen Type	$\Delta N$ : <sup>TM</sup> (Difference from Normal) Flow Cytometry	Molecular DNA & NGS Studies	Molecular RNA & RQ-PCR Studies	Cytogenetics	FISH
Peripheral Blood	3 mL in Na Heparin green top	2 mL in EDTA purple top (preferred) or 2 mL in Na Heparin green top	2 mL in EDTA purple top (preferred) or 2 mL in Na Heparin green top	3 mL in Na Heparin green top	3 mL in Na Heparin green top
Bone Marrow Aspirate	2 mL in Na Heparin green top	1 mL in EDTA purple top (preferred) or 1 mL in Na Heparin green top	2 mL in EDTA purple top (preferred) or 2 mL in Na Heparin green top	1 mL in Na Heparin green top	1 mL in Na Heparin green top
Bone Marrow Core Biopsy	Completely submerged in a culture media such as RPMI-1640	Same requirement as Flow Cytometry	<b>Not Optimal</b> for testing, please contact laboratory	Same requirement as Flow Cytometry	Same requirement as Flow Cytometry
Apheresis (PBSC)	Minimum of 1mL in Na Heparin Green top tube. A -80°C PBSC aliquot on dry ice may be submitted	Same requirement as Flow Cytometry	Same requirement as Flow Cytometry	Not Available	Same requirement as Flow Cytometry
Fresh Tissue	Completely submerged in a culture media such as RPMI-1640	Same requirement as Flow Cytometry	Not Available	Lymph node only	Same requirement as Flow Cytometry
Effusions	10 units of preservative free heparin/mL. We recommend adding an equal amount of culture media such as RPMI-1640	Same requirement as Flow Cytometry	Not Available	Not Available	Same requirement as Flow Cytometry
Cerebrospinal Fluid (CSF)	1-4 mL of non-traumatized CSF in a sterile container. We recommend adding an equal amount of culture media such as RPMI-1640	Same requirement as Flow Cytometry	<b>Not Optimal</b> for testing, please contact laboratory	Not Available	Same requirement as Flow Cytometry
Bronchioalveolar Lavage (BAL)	20-50 mL of irrigation fluid. We recommend adding an equal amount of culture media such as RPMI-1640	<b>Not Optimal</b> for testing, please contact laboratory	Not Available	Not Available	<b>Not Optimal</b> for testing, please contact laboratory
Paraffin Embedded Tissue	Not Available	Block or paraffin shavings (5 cuts at 3 microns each). Dermatology samples are not accepted <b>Not accepted for NGS testing</b>	Not Available	Not Available	Marked H&E with 5-8 paraffin slides cut at 4 microns each.
Extracted Nucleic Acid*	Not Available	DNA: Ship/store at ambient temperature** <b>Minimum of 25 <math>\mu</math>L</b>	RNA: Ship/store on dry ice <b>Minimum 2 <math>\mu</math>g</b> cDNA: Ship/store at ambient temperature**	Not Available	Not Available

\*Extracted nucleic acid must be isolated by a laboratory which meets CLIA or equivalent certification requirements as determined by the CAP and/or the CMS.

\*\*In extreme weather, cold packs can be used for excessive warm temperatures and room temperature packs can be used for excessive cold temperatures during shipment