



HematoLogics Specimen Requirements

Specimen Type	$\Delta N:TM$ (Difference from Normal) Flow Cytometry	Molecular DNA & NGS Studies	Molecular RNA & RQ-PCR Studies	Cytogenetics	FISH	Microarray
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	2 mL in EDTA purple top (preferred) or 2 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	1 mL in EDTA purple top (preferred) or 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	Not Optimal for testing, please contact laboratory	Same requirement as Flow Cytometry	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	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	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	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	Not Optimal for testing, please contact laboratory	Not Available	Same requirement as Flow Cytometry	Not Available
Bronchioalveolar Lavage (BAL)	20-50 mL of irrigation fluid. We recommend adding an equal amount of culture media such as RPMI-1640	Not Optimal for testing, please contact laboratory	Not Available	Not Available	Not Optimal for testing, please contact laboratory	Not Available
Paraffin Embedded Tissue	Not Available	Block or paraffin shavings (5 cuts at 3 microns each). Dermatology samples are not accepted Not accepted for NGS testing	Not Available	Not Available	Marked H&E with 5-8 paraffin slides cut at 4 microns each.	Not Available
Extracted Nucleic Acid*	Not Available	DNA: Ship/store at ambient temperature**	RNA: Ship/store on dry ice cDNA: Ship/store at ambient temperature**	Not Available	Not Available	DNA: Ship/store at ambient temperature**

*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