



HematoLogics Specimen Requirements

Specimen Type	Difference From Normal Flow Cytometry	Molecular Studies	Cytogenetics	FISH	RQ-PCR/NexGen Sequencing/Microarray
Peripheral Blood	3 mL in a Na Heparin green top	2 mL in EDTA purple top (preferred) or Na Heparin green top	3 mL in a Na Heparin green top	3 mL in a Na Heparin green top	2 mL in EDTA purple top (preferred) or Na Heparin green top
Bone Marrow Aspirate	2mL in a Na Heparin green top	1 mL in EDTA purple top (preferred) or Na Heparin green top	1 mL in a Na Heparin green top	1 mL in a Na Heparin green top	2 mL in EDTA purple top (preferred) or Na Heparin green top
Bone Marrow Core Biopsy	Completely submerged in a culture media such as RPMI-1640.	Same	Same	Same	Same
Apheresis (PBSC)	Minimum of 1mL in Na Heparin Green top tube. A -80°C PBSC aliquot on dry ice may be submitted.	Same	Not Available	Same	Same
Tissue	Fresh tissue completely submerged in a culture media such as RPMI-1640.	Same	Lymph node only	Same	Same
Effusions	10 units of preservative free heparin/mL. We recommend adding an equal amount of culture media such as RPMI-1640.	Same	Not Available	Same	Not Available
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	Not Available	Same	Not Available
Bronchioalveolar Lavage (BAL)	20-50 mL of irrigation fluid. We recommend adding an equal amount of culture media such as RPMI-1640.	Same	Not Available	Not Optimal	Not Available
Paraffin Embedded Blocks	Not Available	Submit block or paraffin shavings (5 cuts at 3 microns each).	Not Available	Marked H&E or block. 5 paraffin slides cut at 5 microns each (preferred) or paraffin block. See website or call for availability.	Not Available
Extracted Nucleic Acid*	Not Available	DNA: Ship/store at ambient temperature	Not Available	Not Available	RNA: Ship/store at -20°C. cDNA or 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.

All specimens, All testing: Protect from extreme temperatures. Use appropriate cold or room temp packs to maintain stable transport temperatures.