

Test	Specimen	TAT ¹
Multi-Dimensional Flow Cytometry <ul style="list-style-type: none"> • Leukemia/Lymphoma Immunophenotyping • CD34/Stem Cell Qualification • Cell Sorting for Chimerism Studies 	Peripheral Blood or Bone Marrow A minimum of 3 mL of peripheral blood or 2 mL bone marrow aspirate in a Na Heparin (green top) tube . Peripheral blood and Bone marrow in EDTA or ACD are accepted but not preferred (some antigens are lost because of Ca++ requirements).	24 Hr
	Apheresis (PBSC) A minimum of 1 mL of apheresis product in a Na Heparin (green top) tube . A -80°C PBSC aliquot may be submitted on dry ice.	24 Hr
	Tissue Fresh tissue (lymph node, spleen, tumor mass etc.) completely submerged in a culture media such as RPMI-1640 . Tissues containing radioactive material are not accepted at Hematologics, Inc.	24 Hr
	Effusions Effusions should have 10 units of preservative free heparin/mL. We recommend adding an equal amount of RPMI-1640 to the specimen to maintain viability of cells.	24 Hr
	Cerebral Spinal Fluid (CSF) A minimum of 1 mL of properly drawn (non-traumatized) CSF in a sterile container. We recommend adding an equal amount of RPMI-1640 to maintain viability of cells	24 Hr
	Bladder Washings/Bronchial Alveolar Lavage (BAL) 100-150 mL of the irrigation fluid (sterile normal saline) in a sealed container. We recommend adding an equal amount of RPMI-1640 to the specimen to maintain viability of cells.	24 Hr
Molecular Studies <ul style="list-style-type: none"> • Gene Rearrangements, Activating Point Mutation Assays, BCL-1/BCL-2 • Quantitative RQ-PCR assays (BCR-ABL, PML-RARA, AML1-ETO, etc) 	Peripheral Blood or Bone Marrow 3 mL of peripheral blood or 2 mL of bone marrow aspirate in Na Heparin (green top) tube for Molecular Analysis and High Resolution Flow Cytometry™. If ordering only Molecular Analysis, submit 2 mL of peripheral blood and 1 mL of bone marrow. Exceptions include all RQ-PCR assays that require 5 mL of peripheral blood or 3 mL of bone marrow aspirate in EDTA (purple top) tube .	48 Hr
Cytogenetics <ul style="list-style-type: none"> • Chromosome and/or FISH Analysis 	Peripheral Blood or Bone Marrow Collect 3 mL peripheral blood or 1 mL bone marrow in a Na Heparin (green top) tube or sterile tissue culture media, such as RPMI-1640 for Chromosome Analysis or FISH Analysis only. Collect 2 mL bone marrow or 4 mL peripheral blood for Chromosome Analysis and FISH Analysis. Tissue Fresh tissue submitted for cytogenetic analysis (lymph node, spleen, tumor mass, etc.) should be completely submerged in a sterile culture media such as RPMI-1640 .	2 – 5 Days
Multiple Technologies <ul style="list-style-type: none"> • Flow Cytometry • Molecular Studies • Cytogenetics 	Collect 5 mL peripheral blood or 3 mL bone marrow in a Na Heparin (green top) tube . Tissue Fresh tissue should be completely submerged in a sterile culture media such as RPMI-1640 .	Varies by Technology
Specimens should be stored and shipped at ambient temperature.		

¹ Represents generally experienced processing times, special circumstances or situations may result in extended processing times; in such situations the client will be advised as to the reason for the delay.