












ATL Specimen Requirements Quick Reference

For help, call 616-486-62__ : Lab Central 33 ; Flow Cytometry 73 ; Molecular Diagnostics 80 ; Cytogenetics 79

Molecular Diagnostics *(*Refer to Lab Catalog for minimum volumes and available tests)*

Specimen Type	Container	Test(s) to order	Specimen Storage
<ul style="list-style-type: none"> Biopsy Tissue 	10% Formalin 	<ul style="list-style-type: none"> Tissue Pathology 	Room Temp
<ul style="list-style-type: none"> FNA 	Make 2 slides (remainder in Cytolyt solution)	<ul style="list-style-type: none"> FNA Cytology 	Room Temp
<ul style="list-style-type: none"> Body Fluid CSF 	Sterile Container  or 	<ul style="list-style-type: none"> Various tests* 	Refrigerate
<ul style="list-style-type: none"> Bone Marrow Peripheral Blood 	Lavender top (EDTA) 6mL-adults 3mL-peds 	<ul style="list-style-type: none"> Various tests* 	Room Temp
<ul style="list-style-type: none"> Peripheral Blood 	EDTA Microtainer (need 3 full) 	<ul style="list-style-type: none"> Various tests* 	Room Temp







Flow Cytometry *(*Refer to Lab Catalog for minimum volumes)*

Specimen Type	Container	Test(s) to order	Specimen Storage
<ul style="list-style-type: none"> Biopsy Bone Core FNA Lymph Node Tissue 	Hanks Salt Solution (available from Flow Cytometry) 	<ul style="list-style-type: none"> Leukemia/Lymphoma/Myeloma Panel by Flow Cytometry 	Refrigerate
<ul style="list-style-type: none"> Body Fluid CSF 	Sterile Container  or 	<ul style="list-style-type: none"> Leukemia/Lymphoma/Myeloma Panel by Flow Cytometry* 	Refrigerate
<ul style="list-style-type: none"> Bone Marrow <i>NaHep Preferred, EDTA Acceptable</i> Blood (any) <i>EDTA Preferred, NaHep Acceptable</i> 	Sodium Heparin (green top) 	<ul style="list-style-type: none"> B-ALL MRD, Bone Marrow* B-ALL MRD Blood* Leukemia/Lymphoma/Myeloma Panel by Flow Cytometry* 	Room temp
<ul style="list-style-type: none"> Peripheral Blood 	Lavender top (EDTA) 	<ul style="list-style-type: none"> ALPS* SCID* OB* PNH* LAD* CD4 Percent* Cell Count* Cell Sort* T Cell Subsets* Lymphocyte Subsets* HLA-B27 Screen* CD20 and CD19* 	Room temp
<ul style="list-style-type: none"> Peripheral Blood 	Lavender top (EDTA) 	<ul style="list-style-type: none"> Fetal Cells by Flow Cytometry* 	Refrigerate

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Cytogenetics *(*Refer to Lab Catalog for minimum volumes and available tests)*

Specimen Type	Container	Test to order	Specimen Storage
<ul style="list-style-type: none"> ▪ Tissue ▪ Lymph Node ▪ FNA ▪ Biopsy 	Cytogenetics transport media (available from Cytogenetics) 	Chromosome Analysis <ul style="list-style-type: none"> • Hematologic or Neoplastic Study 	Room Temp
<ul style="list-style-type: none"> ▪ Tissue ▪ Lymph Node ▪ FNA ▪ Biopsy 	10% Formalin 	FISH Analysis <ul style="list-style-type: none"> • Tissue Pathology (indicate desired FISH testing on order) 	Room Temp
<ul style="list-style-type: none"> • Bone Marrow 	Sodium Heparin (green top) 	Chromosome Analysis <ul style="list-style-type: none"> • Hematologic or Neoplastic Study* FISH Analysis <ul style="list-style-type: none"> • Various Tests* 	Room Temp
<ul style="list-style-type: none"> ▪ Peripheral Blood 	Sodium Heparin (green top) 	Chromosome Analysis <ul style="list-style-type: none"> • Constitutional Study (Routine, Prenatal, Mosaic, High Resolution)* FISH Analysis <ul style="list-style-type: none"> • Various Tests* 	Room Temp
<ul style="list-style-type: none"> ▪ Peripheral Blood 	Lavender top (EDTA) 	Chromosome Analysis <ul style="list-style-type: none"> • Chromosomal Microarray (aCGH)* FISH Analysis <ul style="list-style-type: none"> • Confirmatory FISH for Microarray* 	Room Temp
<ul style="list-style-type: none"> ▪ Chorionic Villus (CVS) 	Cytogenetics transport media (available from Cytogenetics) 	Chromosome Analysis <ul style="list-style-type: none"> • Constitutional Prenatal* FISH Analysis <ul style="list-style-type: none"> • POC aneuploidy screen (XY,13,16,18, 21)* 	Room Temp
<ul style="list-style-type: none"> ▪ Amniotic Fluid 	2 Sterile screw-capped conical transport tubes	Chromosome Analysis <ul style="list-style-type: none"> • Constitutional Prenatal* FISH Analysis <ul style="list-style-type: none"> • Prenatal aneuploidy screen (XY,13,18, 21)* 	Room Temp