



\*LAB09\*

ALLINA HEALTH LABORATORY  
FLOW CYTOMETRY/IMMUNOPHENOTYPING  
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www.allinahealth.org/laboratory

**BILL TO (MUST CHECK ONE):**  CLIENT  PATIENT / INSURANCE

Submitter: **XADO** (Opt OUT/Non-Participating Patient)

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Complete Provider Name: \_\_\_\_\_

**-AND-**

Provider Allina Health ID Number: \_\_\_\_\_

**-OR-**

Provider NPI Number: \_\_\_\_\_

Fax report to (\_\_\_\_) \_\_\_\_ - \_\_\_\_\_

**REQUIRED information for all Flow Cytometry orders:**

Diagnosis \_\_\_\_\_

Specimen Type \_\_\_\_\_

DATE & TIME COLLECTED		DRAWN BY	
GENDER: <input type="checkbox"/> MALE <input type="checkbox"/> FEMALE		BIRTH DATE (MM-DD-YYYY) - -	
PATIENT NAME: LAST, FIRST M.I.		CHART #	
PATIENT ADDRESS: STREET and CITY			
STATE	ZIP	PATIENT PHONE ( )	
<input type="checkbox"/> MEDICARE PRIMARY <input type="checkbox"/> MEDICARE SECONDARY			
MEDICARE			
MEDICAL ASSISTANCE NUMBER		STATE	
INSURANCE CO. NAME		RELATIONSHIP OF PATIENT TO INSURED <input type="checkbox"/> SELF <input type="checkbox"/> SPOUSE <input type="checkbox"/> DEPEND. <input type="checkbox"/> OTHER	
POLICY HOLDER'S NAME		POLICY HOLDER DATE OF BIRTH (IF NOT PATIENT) - -	
SUBSCRIBER ID #		GROUP #	

INSURANCE

Dx1	Dx3	PROVIDER SIGNATURE
Dx2	Dx4	REFERRING PROVIDER

**TECHNICAL ONLY**

See Test Catalog for specimen collection & transport information

Na Heparin and EDTA PB or BM; tissue in RPMI with Hepes, Pen Strep, and FBS  
**CASE # (Required for all Technical Only Orders):** \_\_\_\_\_

**Peripheral Blood with Pathologist Interpretation, NO Morphology**

2323 Paroxysmal Nocturnal Hemoglobinuria (PNH) – enclose CBC results

**Peripheral Blood, NO Pathologist Interpretation/Morphology**

12403 B Cell Enumeration – for Therapeutic Monitoring – enclose CBC results

5239 Immunodeficiency Panel - % and absolute – enclose CBC results

2332 CD4/CD8/T Cells Panel – HIV monitoring - % and absolute

**Bronchoalveolar lavage, NO Pathologist Interpretation**

12402 BAL CD4/CD8 - for T subset Analysis

**DNA Ploidy with Pathologist Interpretations**

12379 DNA Ploidy (send H & E slide - will be returned)

**Non-Peripheral Blood with Pathologist Interpretation**

12379 Flow Cytometry (send representative slides - will be returned)

**Brief clinical information:**

*What do you want answered by Flow?*

**Special Instructions:**

- 12420 Flow Cytometry **HOLD**
- 12420 Acute Leukemia (tubes A1, A2, A3, A4)
- 12420 B Cell Leukemia/Lymphoma (tubes B1, B2, B3)
- 12420 Cytokeratin (tube M1)
- 12420 Hairy Cell Leukemia (tubes B1, B2, B3, B4)
- 12420 Hairy Cell Leukemia Residual (tubes B1, B5)
- 12420 Light Chain Screen (tube B1)
- 12420 Paroxysmal Nocturnal Hemoglobinuria (PNH) (tubes PNH-R, PNH-W)
- 12420 Plasma Cell Heavy Chains (tubes P1, P2, P3)
- 12420 Plasma Cell Screen (tube P1)
- 12420 Precursor/blast Enumeration (tube A7)
- 12420 Residual Acute Myeloid Leukemia (tubes A1, A2, A4)
- 12420 Residual B - Acute Lymphoblastic Leukemia (tubes A3, A4, A5)
- 12420 Residual T - Acute Lymphoblastic Leukemia (tubes T1, T2, T3, T4; varies according to original phenotype)
- 12420 T & B Cell Screen (tubes B1, T1, T2)
- 12420 T Cell Leukemia/Lymphoma (tubes T1, T2, T3, T4)

**Special Instructions**

Affix  
RQ Label  
Here

**REFERENCE LAB USE ONLY**

TUBE(S) RECEIVED: Na Heparin \_\_\_\_\_ EDTA \_\_\_\_\_ Slides \_\_\_\_\_ CBC Results \_\_\_\_\_ RPMI w/ Hepes, Pen Strep & FBS \_\_\_\_\_ Tissue Block \_\_\_\_\_ Sterile Cont. \_\_\_\_\_

**Allina Health Laboratory**  
**Flow Cytometry/Immunophenotyping Lab**  
**Tube Markers**

<b><u>Tube A1</u></b>	<b><u>Tube B1</u></b>	<b><u>Tube FH</u></b>	<b><u>Tube PNH-R</u></b>
CD7	CD2	Fetal Hgb	CD59
CD14	CD19		
CD33	CD20	<b><u>Tube I1</u></b>	<b><u>Tube PNH-W</u></b>
CD34	CD45	CD2	CD55
CD45	Kappa	CD4	CD59
CD64	Lambda	CD5	Flaer
CD117		CD7	
HLA-DR	<b><u>Tube B1c</u></b>	CD19	<b><u>Tube T1</u></b>
	CD19	CD45	CD2
<b><u>Tube A2</u></b>	CD45	<b><u>Tube I2</u></b>	CD3
CD4	Kappa (cytoplasmic)	CD3	CD4
CD11b	Lambda (cytoplasmic)	CD45	CD8
CD13		HLA-DR	CD45
CD15	<b><u>Tube B2</u></b>	TCR $\alpha\beta$	CD56+16
CD34	CD3	TCR $\gamma\delta$	
CD45	CD10		<b><u>Tube T2</u></b>
CD56	CD19		CD3
	CD23	<b><u>Tube I3</u></b>	CD4
<b><u>Tube A3</u></b>	CD34	CD3	CD5
CD10	CD45	CD4	CD7
CD19	CD79b	CD8	CD10
CD20	FMC7	CD45	CD19
CD22			CD45
CD34	<b><u>Tube B3</u></b>	<b><u>Tube M1</u></b>	
CD43	CD5	CD45	<b><u>Tube T3</u></b>
CD45	CD20	CD56	CD1a
	CD22	Cytokeratin	CD3
<b><u>Tube A4</u></b>	CD38		CD25
CD3 (cytoplasmic)	CD43		CD34
CD34	CD45	<b><u>Tube P1</u></b>	CD45
CD45	CD103	CD19	HLA-DR
CD79a (cytoplasmic)	CD138	CD20	TCR $\alpha\beta$
MPO (cytoplasmic)		CD38	TCR $\gamma\delta$
	<b><u>Tube B4</u></b>	CD45	
<b><u>Tube A5</u></b>	CD11c	CD56	<b><u>Tube T4</u></b>
CD2	CD22	Kappa (cytoplasmic)	CD2
CD19	CD25	Lambda (cytoplasmic)	CD3
CD34	CD45		CD8
CD45	CD123	<b><u>Tube P2</u></b>	CD16
TdT (nuclear)		CD19	CD45
	<b><u>Tube B5</u></b>	CD38	CD56
<b><u>Tube A6</u></b>	CD11c	CD45	CD57
CD34	CD22	IgG (cytoplasmic)	
CD45	CD25		<b><u>Tube T5</u></b>
CD117	CD45	<b><u>Tube P3</u></b>	CD3
Glycophorin A	CD103	CD19	CD3 (cytoplasmic)
HLA-DR		CD38	CD34
	<b><u>Tube B6</u></b>	CD45	CD45
<b><u>Tube A7</u></b>	CD2	IgA (cytoplasmic)	CD79b
CD10	CD19	IgM (cytoplasmic)	
CD13	CD20		
CD19	CD45		
CD33		<b><u>CD4/CD8/T cells</u></b>	
CD34	CD3	CD3	
CD45	CD4	CD4	
CD117	CD8	CD8	
	CD45	CD45	