

**New Test**      **3001319**      **Lymphocyte Proliferation, Antigen-Mitogen Panel by Flow Cytometry (24-Hr Critical Room Temp)**      **LAMP FLOW**



Time Sensitive

**Methodology:** Cell Culture/Flow Cytometry  
**Performed:** Thu, Fri  
**Reported:** 9-10 days

**Specimen Required:** Patient Prep: Collect control specimen from a healthy individual unrelated to patient.  
**Patient and control specimens must be collected ONLY on Wednesdays or Thursdays AND shipped directly to ARUP the same calendar day to meet the strict 24-hour stability requirement.**  
Collect: Green (sodium heparin) (patient) AND green (sodium heparin) (control) only on Wednesdays or Thursdays.  
Specimen Preparation: Transport 10 mL whole blood (patient) AND 10 mL whole blood (control) in original collection tubes. (Min: 7 mL (patient) AND 7 mL (control)). Infant Minimum: 3 mL (patient) AND 7 mL (control).  
**Do not refrigerate or freeze. LIVE LYMPHOCYTES REQUIRED.**  
Storage/Transport Temperature: **CRITICAL ROOM TEMPERATURE.**  
**Must be collected and shipped directly to ARUP the same calendar day.**  
Remarks: **Do not collect or ship on, or the day before, holidays.**  
Unacceptable Conditions: Refrigerated or frozen specimens.  
Stability (collection to initiation of testing): Ambient: 24 hours; Refrigerated: Unacceptable; Frozen: Unacceptable

**Reference Interval:**

	PHA	Con A	PWM
CD45 Pos Cells	39.7% or greater	15.5% or greater	10.0% or greater
CD3 Pos Cells	42.5% or greater	17.4% or greater	8.0% or greater
CD19 Pos Cells	51.9% or greater	N/A	6.3% or greater
	<b>Tetanus</b>	<b>Candida</b>	
CD45 Pos Cells	2.9% or greater	9.6% or greater	
CD3 Pos Cells	3.0% or greater	2.8% or greater	

**Interpretive Data:** This test measures lymphocyte proliferation in response to stimulation with nonspecific mitogens phytohemagglutinin (PHA), concanavalin A (Con A), and pokeweed mitogen (PWM); and T lymphocyte proliferation in response to stimulation with recall antigens tetanus toxoid and *Candida*, determined by flow cytometry. Proliferating cells are detected by fluorescent labeling. Results are reported as percent proliferating cells of total specific cell populations.

See Compliance Statement B: [www.aruplab.com/CS](http://www.aruplab.com/CS)

**CPT Code(s):** 86353 x5

New York DOH approval pending. Call for status update.

**HOTLINE NOTE:** Refer to the Test Mix Addendum for interface build information.