

**Reporting Title: Kaletra, HPLC****Performing Location:** Focus Diagnostics,**Specimen Requirements:**

Draw blood in a plain red-top tube(s). (Serum gel tube is not acceptable.) Spin down and send 2 mL of serum frozen in plastic vial.

Specimen Type	Temperature	Time
Serum Red	Frozen	

**Result Codes:**

Result ID	Reporting Name	Type	Unit	LOINC®
Z0710	Lopinavir	Alphanumeric		In Process
Z0499	Ritonavir	Alphanumeric		In Process

**CPT Code:** 2 × 80299**Reference Values:**

Results are expressed in mcg/mL

Kaletra levels peak approximately 4 hours after administration of 400 mg lopinavir/100 mg ritonavir. The mean peak concentration is approximately 22% lower for the oral solution than the capsule formulation under fasting conditions. To enhance bioavailability, Kaletra oral suspension should be taken with food.

HIV-1 infected adults, 400/100 mg twice daily x 3 weeks.

Lopinavir mean steady state trough level:

7.1 + or - 2.9 mcg/mL

Lopinavir mean peak level:

9.8 + or - 3.7 mcg/mL

Pediatric lopinavir levels are similar to those obtained in adult patients.

Test Performed by: Focus Diagnostics, Inc.  
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Cypress, CA 90630-4750