

Reporting Title: Acyclovir, Plasma  
Performing Location: NMS Labs

Specimen Requirements:  
\*\*\*Must submit one specimen per order. Specimens cannot be shared between multiple orders.\*\*\*

Specimen Type: Plasma  
Collection Container/Tube: Lavender top or pink top (EDTA)  
Submission Container/Tube: Plastic vial  
Specimen Volume: 1 mL

- Collection Instructions:
1. Draw blood in an EDTA (lavender top or pink top) tube(s). **Plasma gel tube is not acceptable.**
  2. Centrifuge and send 1 mL of plasma refrigerated in a preservative-free plastic vial.

Specimen Type	Temperature	Time	Special Container
Plasma EDTA	Refrigerated (preferred)	30 days	
	Frozen	120 days	
	Ambient	30 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z3531	Acyclovir	Alphanumeric		Not Provided

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:  
No

CPT Code Information:  
80299

Reference Values:  
Reporting limit determined each analysis.

For using Acyclovir:  
Usual therapeutic range (vs. Genital Herpes) during chronic oral daily divided dosages of 1200 - 2400 mg:  
Peak: 0.40 - 2.0 mcg/mL plasma  
Trough: 0.14 - 1.2 mcg/mL plasma

For using Valacyclovir as a metabolite:  
Mean steady-state (+/- 1 SD) peak plasma levels following a 500 mg twice daily regimen  
of Valacyclovir:  
2.0-4.0 mcg Acyclovir/mL