

**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 Minimum Volume:**

0.5 mL

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

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**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