

Tapentadol and Metabolite, Serum

Test ID: TAPNS

Useful for:

Monitoring medication compliance in patients who are prescribed tapentadol

Methods:

Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

Reference Values:

Tapentadol:

Therapeutic: 5-300 ng/mL

N-desmethyltapentadol:

No therapeutic range established

Cutoff concentrations by liquid chromatography tandem mass spectrometry:

Tapentadol: 0.5 ng/mL

N-desmethyltapentadol: 0.5 ng/mL

Specimen Requirements:

Supplies:	Sarstedt Aliquot Tube, 5 mL (T914)
Collection Container/Tube:	Red top (Serum gel/SST are not acceptable)
Submission Container/Tube:	Plastic vial
Specimen Volume:	1.0 mL Serum
Collection Instructions:	Within 2 hours of collection, centrifuge and aliquot serum into a plastic vial.
Minimum Volume:	Serum: 0.5 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum Red	Refrigerated (preferred)	14 days
	Ambient	14 days
	Frozen	28 days

Cautions:

Specimens collected in serum gel tubes are not acceptable because the drug can absorb onto the gel and lead to falsely decreased concentrations.

CPT Code:

80299

[Clinical Toxicology CPT Code Client Guidance](#)

Day(s) Performed: Tuesday

Report Available: 3 to 7 days

Questions

Contact Bethany Feind, Laboratory Resource Coordinator at 800-533-1710.