

Methylphenidate and Metabolite, Serum

Test ID: MPHNS

Useful for:

Confirming drug exposure and monitoring serum concentrations of methylphenidate and ritalinic acid.

Methods:

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

Reference Values:

Methylphenidate:

4-25 ng/mL (Single-dose peak plasma concentration range in children given 10-15 mg dose)

Ritalinic acid:

80-250 ng/mL (Single-dose peak plasma concentration range in children given 10-15 mg dose)

Cutoff concentrations:

Methylphenidate: 1.0 ng/mL

Ritalinic acid: 1.0 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 mL Serum

Collection Instructions: Within 2 hours of collection, centrifuge and aliquot serum into a plastic vial.

Minimum Volume: 0.5 mL Serum

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum Red	Frozen	28 days

CPT Code:

G0480

80360 (if appropriate for select payers)

Day(s) Performed: Thursday

Report Available: 3 to 9 days

Note:

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Methylphenidate, Serum	RIT	79	Medtox Laboratories, Inc.

Questions

Contact Kristin Dragomir-Daescu, Laboratory Resource Coordinator at 800-533-1710.

