

Test Definition: CATP

Catecholamine Fractionation, Plasma, Free

Reporting Title: Catecholamine Fract, Free, P

Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube: Catecholamine tubes containing EDTA-sodium metabisulfite solution (Supply T066) (tubes

have a 6-month expiration time)

Submission Container/Tube: Plastic vial

Specimen Volume: 3 mL Collection Instructions:

1. Drawing from a catheter is required.

- 2. Unless the purpose of the measurement is drug monitoring, discontinue any epinephrine, norepinephrine, or dopamine injections/infusions for at least 12 hours before specimen draw.
- 3. Discontinue drugs that release epinephrine, norepinephrine, or dopamine or hinder their metabolism for at least 1 week before obtaining the specimen (see Cautions for details). If this is not possible for medical reasons, contact the laboratory and discuss whether a shorter drug-withdrawal period may be possible in a particular case.
- 4. Do not perform the test on patients withdrawing from legal or illegal drugs known to cause rebound plasma catecholamine release during withdrawal (see Cautions for details).
- 5. The patient must refrain from eating, using tobacco, and drinking caffeinated beverages for at least 4 hours before the specimen is drawn.
- 6. Calm the patient by giving complete instructions and reassurance regarding the procedure.
- 7. Insert an indwelling intravenous catheter. Flush with 3 mL of NaCl, using positive pressure.
- 8. Have the patient rest for 30 minutes in the supine position in a quiet room.
- 9. At the end of the 30 minutes, withdraw and discard a minimum of 3 mL of blood to remove the saline out of the catheter.
- 10. If provocative sampling (eg, standing specimen) is required, perform provocative maneuver immediately after obtaining supine specimen. Obtain standing specimen immediately.
- 11. For each specimen, draw 10 mL of blood into the chilled EDTA-sodium metabisulfite 10-mL tube.
- 12. Separate plasma in a refrigerated centrifuge within 30 minutes of draw.
- 13. Freeze specimen immediately.

Specimen Type	Temperature	Time
Plasma EDTA Meta	Frozen	7 days

Result Codes:

Result ID	Reporting Name	Туре	Unit	LOINC®
8532	Catecholamine Fract, Free, P	Alphanumeric		
2846	Norepinephrine	Numeric	pg/mL	
2901	Epinephrine	Numeric	pg/mL	
2906	Dopamine	Numeric	pg/mL	



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Catecholamine Fractionation, Plasma, Free

Result ID	Reporting Name	Туре	Unit	LOINC®
2818	Specimen Collected:	Alphanumeric		

CPT Code: 1 × 82384

Reference Values:

NOREPINEPHRINE Supine: 70-750 pg/mL Standing: 200-1,700 pg/mL

EPINEPHRINE

Supine: undetectable-110 pg/mL Standing: undetectable-140 pg/mL

DOPAMINE

<30 pg/mL (no postural change)