

Metanephrines, Fractionated, Random, Urine

Test ID: METRN

Explanation: On the effective date, METRN will become obsolete. Please use the recommended alternative test below.

Note: METAF cannot accept random urine samples. Please collect a 24-hour urine.

Recommended Alternative Test:

Metanephrines, Fractionated, 24 Hour, Urine

Test ID: METAF

Methodology:

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

Reference Values:

Metanephrine

Males

Normotensives:

3-8 years: 29-92 mcg/24 h

9-12 years: 59-188 mcg/24 h

13-17 years: 69-221 mcg/24 h

> or =18 years: 44-261 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <400 mcg/24 h

Females

Normotensives:

3-8 years: 18-144 mcg/24 h

9-12 years: 43-122 mcg/24 h

13-17 years: 33-185 mcg/24 h

> or =18 years: 30-180 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <400 mcg/24 h

Normetanephrine

Males

Normotensives:

3-8 years: 34-169 mcg/24 h

9-12 years: 84-422 mcg/24 h

13-17 years: 91-456 mcg/24 h

18-29 years: 103-390 mcg/24 h

30-39 years: 111-419 mcg/24 h

40-49 years: 119-451 mcg/24 h

50-59 years: 128-484 mcg/24 h

60-69 years: 138-521 mcg/24 h

> or =70 years: 148-560 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <900 mcg/24 h

Females

Normotensives

3-8 years: 29-145 mcg/24 h

9-12 years: 55-277 mcg/24 h

13-17 years: 57-286 mcg/24 h

18-29 years: 103-390 mcg/24 h

30-39 years: 111-419 mcg/24 h

40-49 years: 119-451 mcg/24 h

50-59 years: 128-484 mcg/24 h

60-69 years: 138-521 mcg/24 h

> or =70 years: 148-560 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <900 mcg/24 h

Total Metanephrine

Males

Normotensives:

3-8 years: 47-223 mcg/24 h

9-12 years: 201-528 mcg/24 h

13-17 years: 120-603 mcg/24 h

18-29 years: 190-583 mcg/24 h

30-39 years: 200-614 mcg/24 h

40-49 years: 211-646 mcg/24 h

50-59 years: 222-680 mcg/24 h

60-69 years: 233-716 mcg/24 h

> or =70 years: 246-753 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <1,300 mcg/24 h

Females

Normotensives:

3-8 years: 57-210 mcg/24 h

9-12 years: 107-394 mcg/24 h

13-17 years: 113-414 mcg/24 h

18-29 years: 142-510 mcg/24 h

30-39 years: 149-535 mcg/24 h

40-49 years: 156-561 mcg/24 h

50-59 years: 164-588 mcg/24 h

60-69 years: 171-616 mcg/24 h

> or =70 years: 180-646 mcg/24 h

Reference values have not been established for patients that are younger than 36 months.

Hypertensives: <1,300 mcg/24 h

Specimen Requirements:

Container/Tube: Plastic urine tube

Preferred: Urine Tubes, 10 mL (T068)

Specimen Volume: 10 mL

Collection Instructions: 1. Add 10 g (pediatric: 3 g) of boric acid or 25 mL (pediatric: 15 mL) of 50% acetic acid as preservative at start of collection.
2. Collect urine for 24 hours.

Minimum Volume: 3 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	28 days
	Ambient	28 days
	Frozen	28 days

CPT Code:

83835

Day(s) Performed: Monday - Friday

Report Available: 3 to 5 days

Questions

Contact Joshua Yang, Laboratory Resource Coordinator at 800-533-1710.