



Procedure	Result	Units	Ref Interval	Accession	Collected	Received	Reported/Verified
Hours Collected	24	hr		19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Total Volume	1000	mL		19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Creatinine, Urine - per volume	75	mg/dL		19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Creatinine, Urine - per 24h	750	mg/d	[700-1,600]	19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Metanephrines, Urine Interpretation	See Note			19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Metanephrine, Urine - per volume	230	ug/L		19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Normetanephrine, Urine - per volume	651	ug/L		19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Metanephrine, Urine - per 24h	230 H	ug/d	[36-229]	19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Metanephrine, Urine - ratio to CRT	307 H	ug/g CRT	[0-300]	19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Normetanephrine, Urine - per 24h	651 H	ug/d	[95-650]	19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01
Normetanephrine, Urine - ratio to CRT	868 H	ug/g CRT	[0-400]	19-247-900042	04-Sep-19 09:11:00	04-Sep-19 09:11:00	04-Sep-19 09:15:01

04-Sep-19 09:11:00 Metanephrines, Urine Interpretation:
 TEST INFORMATION: Metanephrines Fractionated, Urine

The optimal specimen for this testing is a 24-hour urine collection. Per-day calculations are not reported for patients younger than 7 years of age and for the following specimen types: a random collection, a collection with duration of less than 20 hours, a collection with duration of greater than 28 hours, or a collection with total volume less than 400 mL (if 18 years of age or older) or greater than 5000 mL (all ages). Ratios to creatinine may be useful for these evaluations.

Smaller increases in metanephrine and/or normetanephrine concentrations (less than two times the upper reference limit) usually are the result of physiological stimuli, drugs, or improper specimen collection. Essential hypertension is often associated with slight elevations (metanephrine less than 400 ug/d and normetanephrine less than 900 ug/d). Elevated concentrations may be due to intense physical activity, life-threatening illness, and drug interferences.

Significant elevation of one or both metanephrines (three or more times the upper reference limit) is associated with an increased probability of a neuroendocrine tumor.

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

See Compliance statement B: www.aruplab.com/CS

* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab