MAYO CLINIC
Mayo Medical Laboratories

Test Definition: FFTHO
Thiosulfate, Urine

Reporting Title: Thiosulfate, U
Performing Location: NMS Labs

Specimen Requirements:
Send 6 mL from a random urine collection. Send specimen refrigerated in a plastic urine container.

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	7 days
	Frozen	90 days
	Ambient	72 hours

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z1452	Creatinine	Alphanumeric	mg/L	2161-8
Z1338	Reporting Limit	Alphanumeric	mg/L	In Process
Z1472	Thiosulfate	Alphanumeric	mcg/mL	12420-6
Z1313	Reporting Limit	Alphanumeric	mcg/mL	In Process
Z1473	Thiosulfate (Creatinine corrected)	Alphanumeric	mg/g creat	12421-4
Z1314	Reporting Limit	Alphanumeric	mg/g creat	In Process
Z2499	Specific Gravity Confirmation	Alphanumeric		In Process

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Chromatography, quant	1	82491		
Billing only	Other Source	1	82570		

Reference Values:

Reporting limit determined each analysis

Creatinine (mg/L)
U.S. Population (10th - 90th percentiles, median)
All participants:
335 - 2370 mg/L, median: 1180 (n=22,245)
Males:
495 - 2540 mg/L, median: 1370 (n=10,610)
Females:
273 - 2170 mg/L, median 994 (n=11,635)

Thiosulfate (mcg/mL)
Normal range: approximately 2.9+/-2.5 mcg/mL (based on an average creatinine concentration of 1 g/L)

Thiosulfate (Creatinine corrected) (mg/g Creat)
Thiosulfate was detected in urine from 29 controls at 2.9 +/- 2.5 mg/g creatinine.
Exposure to 1240 nmol/L (30 ppm) for 45 minutes resulted in a urinary thiosulfate concentration of 60 mg/g creatinine.

Specific Gravity Confirmation
Physiologic range: 1.010-1.030.

Test Performed by: NMS Labs
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