Thiosulfate, Urine

Reporting Title: Thiosulfate, U **Performing Location:** NMS Labs

Specimen Requirements:

Send 6 mL from a random urine specimen. Send specimen refrigerated in a plastic urine container.

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

Result Codes:

Result ID	Reporting Name	Туре	Unit	LOINC®
Z1452	Creatinine	Alphanumeric	mg/L	In Process
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	Other Source	1	82570		
Billing only	Chromatography, quant	1	82491		



Test Definition: FFTHO

Thiosulfate, Urine

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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