

TEST UPDATE/FILE
DEFINITION CHANGE
REFERRAL

NOTIFICATION DATE: September 7, 2012

EFFECTIVE DATE: October 1, 2012

THIOSULFATE, URINE

Test ID: FFTHO

Secondary ID: 90480

NOTE: Effective with this change, all orders placed for this test must be submitted in the alpha-numeric character Test ID format instead of the numeric Secondary ID. Result codes may also be subject to change. Please review Test Set-Up and Conversion Mapping information at: <http://www.mayomedicallaboratories.com/test-notifications/index.html>

EXPLANATION: Effective October 1, Test ID FFTHO, referred to NMS Labs, will reflect the following change.

CURRENT METHOD: Colorimetry (C), Ion Chromatography (IC), Refractometer (REF)

NEW METHOD: Colorimetry (C), Ion Chromatography (IC)

CURRENT REFERENCE VALUE:

Reporting limit determined each analysis

Creatinine (mg/L)

ACGIH normal range in adults:

300-3400 mg/L (mean: 1000 mg/L)

[0.3-3.4 g/L (mean: 1 g/L)]

1000-1600 mg/day(1.0-1.6 g/day)

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

NEW REFERENCE VALUE:

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)

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