MAYO CLINIC LABORATORIES

Test Definition: FHIPP

Toluene as Hippuric Acid, Occupational Exposure, Urine

Overview

Method Name
Gas Chromatography/Flame Ionization Detection (GC-FID)

NY State Available
Yes

Specimen

Specimen Type
Urine

Specimen Required
10 mL aliquot of random or spot urine collected at end of shift. Send specimen refrigerated. Tubes should be filled to prevent loss of volatile compound into headspace.

Specimen Minimum Volume
1.2 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	14 days	
	Frozen	180 days	

Clinical & Interpretive

Reference Values
Creatinine: >50 mg/cL

Hippuric Acid is a metabolite of toluene and benzyl alcohol.

Normal (unexposed population):
Average 0.8 g/L

Exposed:

Biological Exposure Index (BEI):
1.6 g/g creatinine
(toluene exposure: end of shift)

Toxic:
Not established

Performance

PDF Report
No

Day(s) Performed
Monday through Sunday

Report Available
7 to 8 days

Specimen Retention Time
2 weeks

Performing Laboratory Location
Medtox Laboratories, Inc.

Fees & Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

CPT Code Information
83921
82570

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FHIPP	Toluene as Hippuric Acid, Occup, U	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z1863	Creatinine	2161-8
Z1060	Hippuric Acid	6709-0
Z1061	Hippuric Acid	13754-7