

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/Organic acid, single, quantitative

82570/Creatinine, other source

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             |