MAYO CLINIC LABORATORIES

Test Definition: FOGPM

Organophosphate Pesticide Metabolites, Urine

Overview

Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
FSGCU	Specific Gravity Confirmation, U	No	No

Testing Algorithm

If Creatinine result is less than 300 or greater than 3000, Specific Gravity Confirmation, Urine (FSGCU) will be performed, if appropriated, at no additional charge.

Method Name

Colorimetry (C)
High Performance Liquid Chromatography/Tandem Mass Spectrometry (LC-MS/MS)

NY State Available

Yes

Specimen

Specimen Type

Urine

Specimen Required

Container/Tube: Plastic, preservative-free urine container
Specimen Volume: 2 mL
Collection Instructions:
1. Collect 2 mL random urine specimen without preservative.
2. Ship refrigerated in a plastic container.

Specimen Minimum Volume

0.95 mL

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	30 days	
	Frozen	180 days	
	Ambient	5 days	

Clinical & Interpretive

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)

Dimethylphosphate (DMP): None Detected ng/mL

Dimethylthiophosphate (DMTP): None Detected ng/mL

Dimethyldithiophosphate (DMDTP): None Detected ng/mL

Sum of Dimethyl Alkyl Phosphates (DMAP): None Detected nmol/L

CDC/NHANES 2007 - 2008 U.S. Population:

Generally less than 580 nmol/L

Sum of Dimethyl Alkyl Phosphates (DMAP)
(Creatinine Corrected): None Detected nmol/g Creat

CDC/NHANES 2007 - 2008 U.S. Population:

Generally less than 550 nmol/g Creatinine

Diethylphosphate (DEP): None Detected ng/mL

Diethylthiophosphate (DETP): None Detected ng/mL

Diethyldithiophosphate (DEDTP): None Detected ng/mL

Sum of Diethyl Alkyl Phosphates (DEAP): None Detected nmol/L

CDC/NHANES 2007 - 2008 U.S. Population:

Generally less than 130 nmol/L

Sum of Diethyl Alkyl Phosphates (DEAP)
(Creatinine Corrected): None Detected nmol/g Creat

CDC/NHANES 2007 - 2008 U.S. Population:

Generally less than 130 nmol/g Creatinine

Total Dialkyl Phosphates (DAP): None Detected nmol/L
CDC/NHANES 2007 - 2008 U.S. Population:
Generally less than 710 nmol/L

Total Dialkyl Phosphates (DAP)
(Creatinine Corrected): None Detected nmol/g Creat
CDC/NHANES 2007 - 2008 U.S. Population:

Performance

PDF Report
No

Day(s) Performed
Monday -- Sunday

Report Available
7 to 11 days

Performing Laboratory Location
NMS Labs

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 Regional Manager. For assistance, contact Customer Service.

Test Classification
This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information
82570
84430
81002, if appropriate

LOINC® Information

Test Definition: FOGPM

Organophosphate Pesticide Metabolites, Urine

Test ID	Test Order Name	Order LOINC® Value
FOGPM	Organophosphate Pesticide Metab, U	Not Provided

Result ID	Test Result Name	Result LOINC® Value
Z3507	Creatinine	2161-8
Z3508	Dimethylphosphate (DMP)	Not Provided
Z3509	Dimethylthiophosphate (DMTP)	Not Provided
Z3510	Dimethyldithiophosphate (DMDTP)	Not Provided
Z3511	Dimethyl Alkyl Phos (DMAP), Sum	Not Provided
Z3512	Sum of DMAP (Creatinine Corrected)	Not Provided
Z3513	Diethylphosphate (DEP)	Not Provided
Z3514	Diethylthiophosphate (DETP)	Not Provided
Z3515	Diethyldithiophosphate (DEDTP)	Not Provided
Z3516	Diethyl Alkyl Phos (DEAP), Sum	Not Provided
Z3517	Sum of DEAP, (Creatinine Corrected)	Not Provided
Z3518	Total Dialkyl Phosphates (DAP)	Not Provided
Z3519	DAP (Creatinine Corrected)	Not Provided