MAYO CLINIC LABORATORIES

Test Definition: FBEN

Benzene, Occupational Exposure, Blood

Overview

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

NY State Available
Yes

Specimen

Specimen Type
WB Sodium Heparin

Specimen Required
Draw blood in a green-top (sodium heparin) tube(s) and send 20 mL in two tubes of sodium heparin whole blood refrigerated. Blood should be drawn at end of shift. Tubes should be filled to prevent loss of volatile compound into headspace.

Specimen Minimum Volume
2.5 mL (in two tubes)

Reject Due To

Hemolysis	NA
Lipemia	NA
Icterus	NA
Other	NA

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
WB Sodium Heparin	Refrigerated (preferred)	14 days	
	Frozen	365 days	

Clinical & Interpretive

Reference Values
Units: mg/L

Normal (unexposed population):

None detected

Exposed (end-of-shift):

Blood benzene concentrations of greater than 0.1 mg/L correlate with exposure to greater than 10 ppm benzene in air.

Toxic:

Blood benzene concentrations greater than 0.90 mg/L have been observed in fatal cases of benzene exposure.

Performance

PDF Report

No

Day(s) Performed

Monday through Sunday

Report Available

7 to 11 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

84600

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FBEN	Benzene, Blood	9330-2

Result ID	Test Result Name	Result LOINC® Value
Z1153	Benzene	9330-2