

ALCOHOL
FRACTIONATION
(BY GAS
CHROMATOGRAPHY)

Orderable - VOL

Turn Around Time: 4 hours

STAT: 1 hour

Alternate Name(s):

Volatile Screen
Methanol
Isopropanol
Acetone
Ethanol

Specimen:

5 mL Gold top Vacutainer tube. Lithium Heparin or EDTA plasma is also acceptable.

Five mL of blood collected in a Gold top Vacutainer tube is preferred.
Plasma sample is acceptable.

There are no restrictions on types of anticoagulants or preservatives used. Samples <4 hours are ideal however add-on testing is allowable up to 7 days when tightly capped and refrigerated.

Collection Information:

Volatile: keep tube tightly sealed.

Do not use alcohol swab for venipuncture.

Volatile screen is available STAT without authorization.

Reference Ranges:

Toxic Levels	
Methanol:	>6 mmol/L
Isopropanol:	>7 mmol/L
Acetone:	>6.9 mmol/L
Ethanol:	>33 mmol/L

Interpretive Comments:

Alcohol fractionations are performed when requested. Methanol, Isopropanol, and



Laboratory:
Core Lab



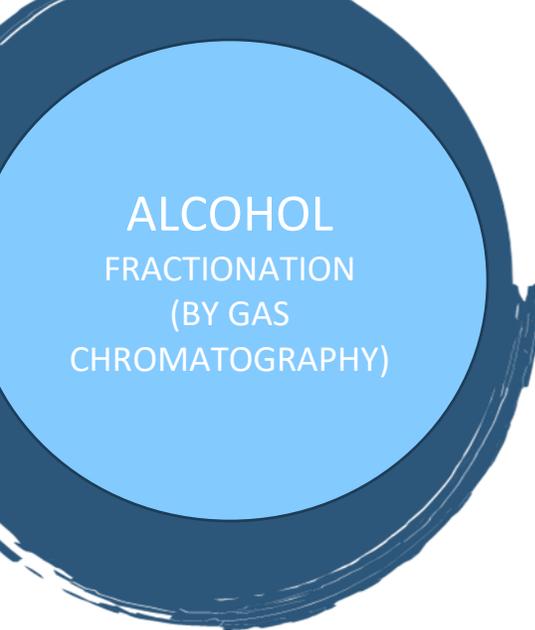
Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Gas Liquid
Chromatography



Test Schedule:
As required



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Acetone are identified and quantitated by Gas Liquid Chromatography.

Routine Ethanol is quantified by an enzymatic assay.

Ethanol quantitation by Gas Liquid Chromatography is available with Biochemist approval.

Special Processing:

For SRA staff when a sample is received at UH:

UH SRA:

Please call VH SRA when a sample is received.

VH SRA:

Please alert technologist that a sample is on the way

Comments:

*CRITICAL VALUE to be phoned to Nurse or Physician immediately:
all positive results.*