



October 17, 2011

Subject: **Alcohol Testing Update at NMS Labs**

Dear Valued Client:

This letter is to inform you of upcoming changes to alcohol testing performed by NMS Labs. This information is important to you because one or more of the tests impacted by these changes have been ordered by your account. The following changes will go into effect November 14th, 2011:

Methodology:

Alcohol testing on routine matrices will be performed using the widely accepted dual column Headspace Gas Chromatography (GC) methodology. The assay includes:

- Dual column Headspace GC analysis which selectively identifies alcohol to the exclusion of any known interferences by testing on two chemically different GC columns, and accurately quantitates the amount of alcohol in the sample by repeating the analysis on a separate aliquot.
- Quantitation of methanol, isopropanol and acetone unless otherwise indicated.

Units of Measure:

The reporting units of measure for Blood Alcohol Concentration (BAC) will change:

<u>Old Units</u>	→	<u>New Units</u>
Percent weight per volume (% w/v)		Grams per 100 milligram (g/100 mL)

NMS Labs new reporting units align with those typically used in per se laws and DUI/DWI statutes. Please note that the numerical value of the results does not change as % w/v = g/100 mL.

Reference Comments:

Reference comments are updated with more current information and additional insights.

Attached is a list of the test codes that will reflect these changes. Please take a few minutes to review the list and update your databases accordingly. Beginning November 14th, these changes will be reflected in our on-line test catalog and on your results reports. If you have any questions or need a sample report, please contact Client Support Services at 866.522.2216 or cstiq@nmslabs.com.

Sincerely,

NMS Labs Marketing Department

NMS Labs Test Codes with Alcohol Changes

Effective November 14, 2011

Acode	Description
0088B	Acetonitrile Exposure Profile, Blood
0148B	Acrylonitrile Exposure Profile, Blood
0169B	Alcohol, Blood (Forensic) (CSA)
0171B*	Alcohol Screen, Blood
0171FL*	Alcohol Screen, Fluid
0171SP*	Alcohol Screen, Serum/Plasma
0171TI*	Alcohol Screen, Tissue
0171U*	Alcohol Screen, Urine
0175B	Alcohol (Police), Blood (Forensic)
0175SP	Alcohol (Police), Serum/Plasma (Forensic)
0175U	Alcohol (Police), Urine (Forensic)
0176B	Alcohol, Blood (Forensic)
0176SP	Alcohol, Serum/Plasma (Forensic)
0176U	Alcohol, Urine (Forensic)
1858B*	Drugs of Abuse (9 Panel) and Alcohol Screen, Blood
1858FL*	Drugs of Abuse (9 Panel) and Alcohol Screen, Fluid
1858SP*	Drugs of Abuse (9 Panel) and Alcohol Screen, Serum/Plasma
1858TI*	Drugs of Abuse (9 Panel) and Alcohol Screen, Tissue
1858U*	Drugs of Abuse (9 Panel) and Alcohol Screen, Urine
2321B	Hydrocarbon and Oxygenated Volatiles Panel, Blood
2321SP	Hydrocarbon and Oxygenated Volatiles Panel, Serum/Plasma
2321U	Hydrocarbon and Oxygenated Volatiles Panel, Urine
2408B	Inhalants Panel, Blood (CSA)
2409U	Inhalants Panel, Urine (CSA)
2411B	Inhalants Panel, Solvents, Blood
2411SP	Inhalants Panel, Solvents, Serum/Plasma
2411U	Inhalants Panel, Solvents, Urine
2413B	Inhalants Panel, Solvents and Gases, Blood
2415B	Inhalants Panel, Blood
2415SP	Inhalants Panel, Serum/Plasma
2417B	Inhalant Intoxicants Profile, Blood
2426U	Inhalants and Metabolites Panel, Urine
2481B	Ketone Panel, Blood
2481SP	Ketone Panel, Serum/Plasma
2481U	Ketone Panel, Urine
2835U	Methanol, Urine
2837SP	Methanol Poisoning Profile, Serum/Plasma
4187TI	Postmortem Toxicology - SIDS Screen, Tissue (Forensic)
50030B	Ethanol Confirmation, Blood (Forensic)
50030FL	Ethanol Confirmation, Fluid (Forensic)
50030SP	Ethanol Confirmation, Serum/Plasma (Forensic)
50030TI	Ethanol Confirmation, Tissue (Forensic)
50030U	Ethanol Confirmation, Urine (Forensic)
50031B	Methanol Confirmation, Blood (Forensic)
50031FL	Methanol Confirmation, Fluid (Forensic)
50031SP	Methanol Confirmation, Serum/Plasma (Forensic)
50031TI	Methanol Confirmation, Tissue (Forensic)
50031U	Methanol Confirmation, Urine (Forensic)
50032B	Isopropanol Confirmation, Blood (Forensic)
50032FL	Isopropanol Confirmation, Fluid (Forensic)

* Ethanol Only (methanol, isopropanol and acetone not reported)

NMS Labs Test Codes with Alcohol Changes

Effective November 14, 2011

Acode	Description
50032SP	Isopropanol Confirmation, Serum/Plasma (Forensic)
50032TI	Isopropanol Confirmation, Tissue (Forensic)
50032U	Isopropanol Confirmation, Urine (Forensic)
50033B	Acetone Confirmation, Blood (Forensic)
50033FL	Acetone Confirmation, Fluid (Forensic)
50033SP	Acetone Confirmation, Serum/Plasma (Forensic)
50033TI	Acetone Confirmation, Tissue (Forensic)
50033U	Acetone Confirmation, Urine (Forensic)
5020B	Ethanol Confirmation, Blood
5020FL	Ethanol Confirmation, Fluid
5020SP	Ethanol Confirmation, Serum/Plasma
5020TI	Ethanol Confirmation, Tissue
5020U	Ethanol Confirmation, Urine
5021B	Methanol Confirmation, Blood
5021FL	Methanol Confirmation, Fluid
5021SP	Methanol Confirmation, Serum/Plasma
5021TI	Methanol Confirmation, Tissue
5021U	Methanol Confirmation, Urine
5022B	Isopropanol Confirmation, Blood
5022FL	Isopropanol Confirmation, Fluid
5022SP	Isopropanol Confirmation, Serum/Plasma
5022TI	Isopropanol Confirmation, Tissue
5022U	Isopropanol Confirmation, Tissue
5023B	Acetone Confirmation, Blood
5023FL	Acetone Confirmation, Fluid
5023SP	Acetone Confirmation, Serum/Plasma
5023TI	Acetone Confirmation, Tissue
5023U	Acetone Confirmation, Urine
54300B	Drug Impaired Driving/DRE Toxicology Inhalants 1 Confirmation, Blood (Forensic)
54300U	Drug Impaired Driving/DRE Toxicology Inhalants 1 Confirmation, Urine (Forensic)
5627B	Alcohol Confirmation, Blood
5627FL	Alcohol Confirmation, Fluid
5627SP	Alcohol Confirmation, Serum/Plasma
5627TI	Alcohol Confirmation, Tissue
6303B	Firefighter Core Baseline Profile, Blood
8077B	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Blood (Forensic)
8077U	Drug Impaired Driving/DRE Toxicology Inhalants Add-On, Urine (Forensic)
8101TI	Drugs of Abuse (9 Panel) and Alcohol Screen, Tissue (Forensic)
8102TI	Therapeutic and Abused Drugs with Alcohol Screen, Tissue (Forensic)
8103B	Environmental Exposure Screen, Blood (Forensic)

* Ethanol Only (methanol, isopropanol and acetone not reported)