

Analytical Reference Standards

2020/04

» ALCOHOL & ETHANOL BIOMARKERS



The use of ethanol biomarkers such as Ethylglucuronide (EtG) and Ethylsulfate (EtS) has expanded greatly over the past few years. Both EtG and EtS are sensitive and specific biomarkers for alcohol consumption providing intermediate detection window between short and long term markers.

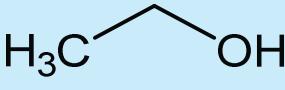
For EtG- and EtS-testing, LIPOMED provides native and deuterated reference standards supplied as calibrated solutions in methanol and in standard pack sizes of 10 mg, 50 mg and 100 mg.

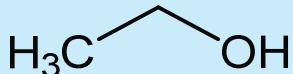
For more information, please check our website
www.lipomed.com.

Are you also looking for
Aqueous Ethanol Standards?

- » Currently available from LIPOMED: NIST-traceable Ethanol standards supplied in concentrations ranging from 10 mg/dL to 700 mg/dL.
- » Available in 1.2 mL ampoules
- » Supplied as calibrated standard solutions in water.

<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p>
	<p>MIX-1808-0.1LH 0.1 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p>
	<p>MIX-1808-0.2LH 0.2 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p>
	<p>MIX-1808-0.3LH 0.3 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p>
	<p>MIX-1808-0.4LH 0.4 mg /1 ml of each component calibrated solution in water</p>

<p>Acetone Ethanol Isopropanol Methanol</p> <p>Acetone Ethanol Isopropanol Methanol</p> <p>Acetone Ethanol Isopropanol Methanol</p> <p></p>	Alcohol Mixture 4		
	MIX-1808-0.5LH	0.5 mg /1 ml of each component	calibrated solution in water
	MIX-1808-1LH	1.0 mg /1 ml of each component	calibrated solution in water
	MIX-1808-4LH	4.0 mg /1 ml of each component	calibrated solution in water
Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)			
Packs of 5, 10, 25, 50, 100 ampoules $\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07			
ETH-010-1ML 10 mg Ethanol/1 dl calibrated solution in water ETH-010-1ML-5AMP 1 pack of 5 ampoules ETH-010-1ML-10AMP 1 pack of 10 ampoules			
ETH-010-1ML-25AMP 1 pack of 25 ampoules ETH-010-1ML-50AMP 1 pack of 50 ampoules ETH-010-1ML-100AMP 1 pack of 100 ampoules			

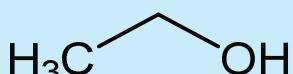


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-015-1ML	15 mg Ethanol/1 dl	calibrated solution in water
ETH-015-1ML-5AMP		1 pack of 5 ampoules
ETH-015-1ML-10AMP		1 pack of 10 ampoules
ETH-015-1ML-25AMP		1 pack of 25 ampoules
ETH-015-1ML-50AMP		1 pack of 50 ampoules
ETH-015-1ML-100AMP		1 pack of 100 ampoules

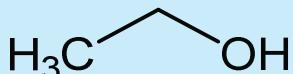


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-020-1ML	20 mg Ethanol/1 dl	calibrated solution in water
ETH-020-1ML-5AMP		1 pack of 5 ampoules
ETH-020-1ML-10AMP		1 pack of 10 ampoules
ETH-020-1ML-25AMP		1 pack of 25 ampoules
ETH-020-1ML-50AMP		1 pack of 50 ampoules
ETH-020-1ML-100AMP		1 pack of 100 ampoules

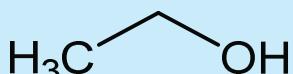


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-025-1ML	25 mg Ethanol/1 dl	calibrated solution in water
ETH-025-1ML-5AMP		1 pack of 5 ampoules
ETH-025-1ML-10AMP		1 pack of 10 ampoules
ETH-025-1ML-25AMP		1 pack of 25 ampoules
ETH-025-1ML-50AMP		1 pack of 50 ampoules
ETH-025-1ML-100AMP		1 pack of 100 ampoules

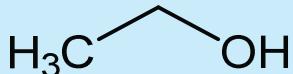


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-040-1ML	40 mg Ethanol/1 dl	calibrated solution in water
ETH-040-1ML-5AMP		1 pack of 5 ampoules
ETH-040-1ML-10AMP		1 pack of 10 ampoules
ETH-040-1ML-25AMP		1 pack of 25 ampoules
ETH-040-1ML-50AMP		1 pack of 50 ampoules
ETH-040-1ML-100AMP		1 pack of 100 ampoules

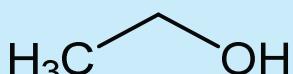


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-050-1ML	50 mg Ethanol/1 dl	calibrated solution in water
ETH-050-1ML-5AMP		1 pack of 5 ampoules
ETH-050-1ML-10AMP		1 pack of 10 ampoules
ETH-050-1ML-25AMP		1 pack of 25 ampoules
ETH-050-1ML-50AMP		1 pack of 50 ampoules
ETH-050-1ML-100AMP		1 pack of 100 ampoules

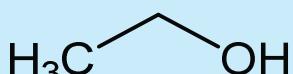


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-070-1ML	70 mg Ethanol/1 dl	calibrated solution in water
ETH-070-1ML-5AMP		1 pack of 5 ampoules
ETH-070-1ML-10AMP		1 pack of 10 ampoules
ETH-070-1ML-25AMP		1 pack of 25 ampoules
ETH-070-1ML-50AMP		1 pack of 50 ampoules
ETH-070-1ML-100AMP		1 pack of 100 ampoules

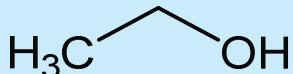


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-080-1ML	80 mg Ethanol/1 dl	calibrated solution in water
ETH-080-1ML-5AMP		1 pack of 5 ampoules
ETH-080-1ML-10AMP		1 pack of 10 ampoules
ETH-080-1ML-25AMP		1 pack of 25 ampoules
ETH-080-1ML-50AMP		1 pack of 50 ampoules
ETH-080-1ML-100AMP		1 pack of 100 ampoules

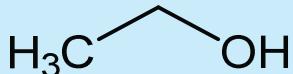


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-090-1ML	90 mg Ethanol/1 dl	calibrated solution in water
ETH-090-1ML-5AMP		1 pack of 5 ampoules
ETH-090-1ML-10AMP		1 pack of 10 ampoules
ETH-090-1ML-25AMP		1 pack of 25 ampoules
ETH-090-1ML-50AMP		1 pack of 50 ampoules
ETH-090-1ML-100AMP		1 pack of 100 ampoules

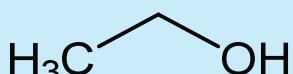


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-100-1ML	100 mg Ethanol/1 dl	calibrated solution in water
ETH-100-1ML-5AMP		1 pack of 5 ampoules
ETH-100-1ML-10AMP		1 pack of 10 ampoules
ETH-100-1ML-25AMP		1 pack of 25 ampoules
ETH-100-1ML-50AMP		1 pack of 50 ampoules
ETH-100-1ML-100AMP		1 pack of 100 ampoules

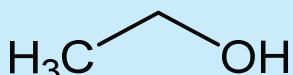


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-125-1ML	125 mg Ethanol/1 dl	calibrated solution in water
ETH-125-1ML-5AMP		1 pack of 5 ampoules
ETH-125-1ML-10AMP		1 pack of 10 ampoules
ETH-125-1ML-25AMP		1 pack of 25 ampoules
ETH-125-1ML-50AMP		1 pack of 50 ampoules
ETH-125-1ML-100AMP		1 pack of 100 ampoules

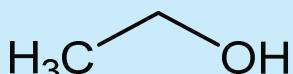


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-150-1ML	150 mg Ethanol/1 dl	calibrated solution in water
ETH-150-1ML-5AMP		1 pack of 5 ampoules
ETH-150-1ML-10AMP		1 pack of 10 ampoules
ETH-150-1ML-25AMP		1 pack of 25 ampoules
ETH-150-1ML-50AMP		1 pack of 50 ampoules
ETH-150-1ML-100AMP		1 pack of 100 ampoules

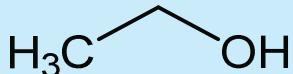


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-160-1ML	160 mg Ethanol/1 dl	calibrated solution in water
ETH-160-1ML-5AMP		1 pack of 5 ampoules
ETH-160-1ML-10AMP		1 pack of 10 ampoules
ETH-160-1ML-25AMP		1 pack of 25 ampoules
ETH-160-1ML-50AMP		1 pack of 50 ampoules
ETH-160-1ML-100AMP		1 pack of 100 ampoules

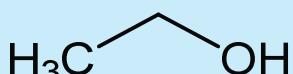


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

C₂H₆O M.W.: 46.07

ETH-170-1ML	170 mg Ethanol/1 dl	calibrated solution in water
ETH-170-1ML-5AMP		1 pack of 5 ampoules
ETH-170-1ML-10AMP		1 pack of 10 ampoules
ETH-170-1ML-25AMP		1 pack of 25 ampoules
ETH-170-1ML-50AMP		1 pack of 50 ampoules
ETH-170-1ML-100AMP		1 pack of 100 ampoules

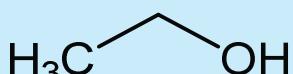


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

C₂H₆O M.W.: 46.07

ETH-200-1ML	200 mg Ethanol/1 dl	calibrated solution in water
ETH-200-1ML-5AMP		1 pack of 5 ampoules
ETH-200-1ML-10AMP		1 pack of 10 ampoules
ETH-200-1ML-25AMP		1 pack of 25 ampoules
ETH-200-1ML-50AMP		1 pack of 50 ampoules
ETH-200-1ML-100AMP		1 pack of 100 ampoules

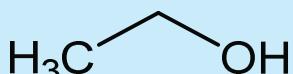


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

C₂H₆O M.W.: 46.07

ETH-250-1ML	250 mg Ethanol/1 dl	calibrated solution in water
ETH-250-1ML-5AMP		1 pack of 5 ampoules
ETH-250-1ML-10AMP		1 pack of 10 ampoules
ETH-250-1ML-25AMP		1 pack of 25 ampoules
ETH-250-1ML-50AMP		1 pack of 50 ampoules
ETH-250-1ML-100AMP		1 pack of 100 ampoules

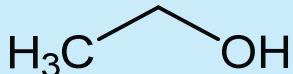


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

C₂H₆O M.W.: 46.07

ETH-300-1ML	300 mg Ethanol/1 dl	calibrated solution in water
ETH-300-1ML-5AMP		1 pack of 5 ampoules
ETH-300-1ML-10AMP		1 pack of 10 ampoules
ETH-300-1ML-25AMP		1 pack of 25 ampoules
ETH-300-1ML-50AMP		1 pack of 50 ampoules
ETH-300-1ML-100AMP		1 pack of 100 ampoules

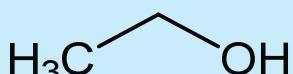


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-400-1ML	400 mg Ethanol/1 dl	calibrated solution in water
ETH-400-1ML-5AMP		1 pack of 5 ampoules
ETH-400-1ML-10AMP		1 pack of 10 ampoules
ETH-400-1ML-25AMP		1 pack of 25 ampoules
ETH-400-1ML-50AMP		1 pack of 50 ampoules
ETH-400-1ML-100AMP		1 pack of 100 ampoules

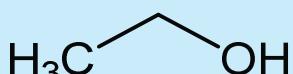


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-500-1ML	500 mg Ethanol/1 dl	calibrated solution in water
ETH-500-1ML-5AMP		1 pack of 5 ampoules
ETH-500-1ML-10AMP		1 pack of 10 ampoules
ETH-500-1ML-25AMP		1 pack of 25 ampoules
ETH-500-1ML-50AMP		1 pack of 50 ampoules
ETH-500-1ML-100AMP		1 pack of 100 ampoules

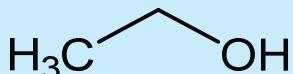


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-600-1ML	600 mg Ethanol/1 dl	calibrated solution in water
ETH-600-1ML-5AMP		1 pack of 5 ampoules
ETH-600-1ML-10AMP		1 pack of 10 ampoules
ETH-600-1ML-25AMP		1 pack of 25 ampoules
ETH-600-1ML-50AMP		1 pack of 50 ampoules
ETH-600-1ML-100AMP		1 pack of 100 ampoules

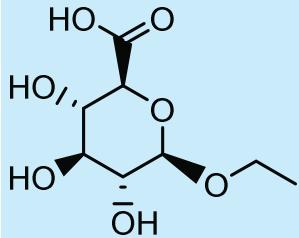


Aqueous Ethanol Standard Solutions (1.2 ml Ampoules)

Packs of 5, 10, 25, 50, 100 ampoules

$\text{C}_2\text{H}_5\text{O}$ M.W.: 46.07

ETH-700-1ML	700 mg Ethanol/1 dl	calibrated solution in water
ETH-700-1ML-5AMP		1 pack of 5 ampoules
ETH-700-1ML-10AMP		1 pack of 10 ampoules
ETH-700-1ML-25AMP		1 pack of 25 ampoules
ETH-700-1ML-50AMP		1 pack of 50 ampoules
ETH-700-1ML-100AMP		1 pack of 100 ampoules



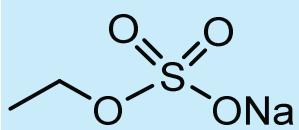
Ethyl-β-D-glucuronide (shipment under ice for solution)

C ₈ H ₁₄ O ₇	M.W.: 222.19	
EGL-332-1LM	1.0 mg/1 ml	calibrated solution in methanol
EGL-332-10	10 mg	powder
EGL-332-50	50 mg	powder
EGL-332-100	100 mg	powder



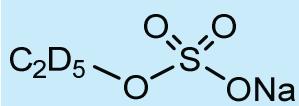
Ethyl-β-D-glucuronide-D₅ (shipment under ice for solutions)

C ₈ H ₉ D ₅ O ₇	M.W.: 227.22	
EGL-780-0.1LM	0.1 mg/1 ml	calibrated solution in methanol
EGL-780-1LM	1.0 mg/1 ml	calibrated solution in methanol
EGL-780-1LM-5	5 mg/5 ml	calibrated solution in methanol
EGL-780-10	10 mg	powder
EGL-780-50	50 mg	powder
EGL-780-100	100 mg	powder



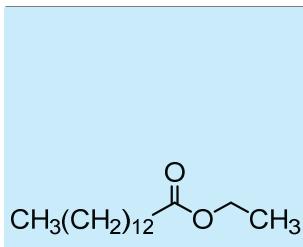
Ethylsulfate.sodium salt

C ₂ H ₅ NaO ₄ S	M.W.: 148.11	
ETS-972-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol
ETS-972-NA-10	10 mg	powder
ETS-972-NA-50	50 mg	powder
ETS-972-NA-100	100 mg	powder



Ethylsulfate-D₅.sodium salt

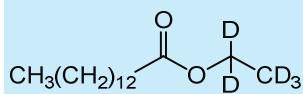
C ₂ D ₅ NaO ₄ S	M.W.: 153.14	
ETS-979-NA-0.1LM	0.1 mg Na salt/1 ml	calibrated solution in methanol
ETS-979-NA-1LM	1.0 mg Na salt/1 ml	calibrated solution in methanol
ETS-979-NA-1LM-5	5 mg Na salt/5 ml	calibrated solution in methanol
ETS-979-NA-10	10 mg	powder
ETS-979-NA-50	50 mg	powder
ETS-979-NA-100	100 mg	powder



Ethyl Myristate

Synonym : Ethyl tetradecanoate
 $C_{16}H_{32}O_2$ M.W.: 256.42

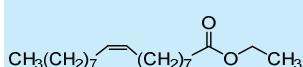
FAE-1453-1LA 1.0 mg/1 ml calibrated solution in acetonitrile



Ethyl Myristate-D₅

Synonym : Ethyl tetradecanoate-D₅
 $C_{16}H_{27}D_5O_2$ M.W.: 261.45

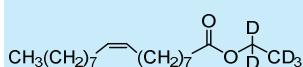
FAE-1697-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile
FAE-1697-10	10 mg	colorless liquid
FAE-1697-50	50 mg	colorless liquid
FAE-1697-100	100 mg	colorless liquid



Ethyl Oleate

Synonym : Ethyl (cis)-octadec-9-enoate
 $C_{20}H_{38}O_2$ M.W.: 310.52

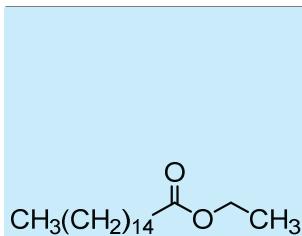
FAE-1452-1LA 1.0 mg/1 ml calibrated solution in acetonitrile



Ethyl Oleate-D₅

Synonym : Ethyl (cis)-octadec-9-enoate-D5
 $C_{16}H_{33}D_5O_2$ M.W.: 315.55

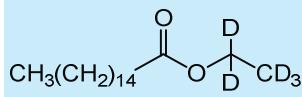
FAE-1696-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile
FAE-1696-10	10 mg	colorless liquid
FAE-1696-50	50 mg	colorless liquid
FAE-1696-100	100 mg	colorless liquid



Ethyl Palmitate

Synonym : Ethyl hexadecanoate
 $C_{18}H_{36}O_2$ M.W.: 284.48

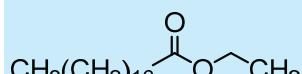
FAE-1451-1LA 1.0 mg/1 ml calibrated solution in acetonitrile



Ethyl Palmitate-D₅

Synonym : Ethyl hexadecanoate-D₅
 $C_{18}H_{31}D_5O_2$ M.W.: 289.51

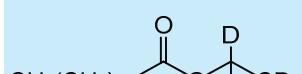
FAE-1695-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile
FAE-1695-10	10 mg	colorless liquid
FAE-1695-50	50 mg	colorless liquid
FAE-1695-100	100 mg	colorless liquid



Ethyl Stearate

Synonym : Ethyl octadecanoate
 $C_{20}H_{40}O_2$ M.W.: 312.53

FAE-1454-1LA 1.0 mg/1 ml calibrated solution in acetonitrile



Ethyl Stearate-D₅

Synonym : Ethyl octadecanoate-D₅
 $C_{20}H_{35}D_5O_2$ M.W.: 317.56

FAE-1698-1LA	1.0 mg/1 ml	calibrated solution in acetonitrile
FAE-1698-10	10 mg	powder
FAE-1698-50	50 mg	powder
FAE-1698-100	100 mg	powder

<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p> <hr/> <p>MIX-1808-0.1LH 0.1 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p> <hr/> <p>MIX-1808-0.2LH 0.2 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p> <hr/> <p>MIX-1808-0.3LH 0.3 mg /1 ml of each component calibrated solution in water</p>
<p>Acetone Ethanol Isopropanol Methanol</p>	<p>Alcohol Mixture 4</p> <hr/> <p>MIX-1808-0.4LH 0.4 mg /1 ml of each component calibrated solution in water</p>

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Ordering & other information

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