



**AMERICAN ASSOCIATION OF BIOANALYSTS
PROFICIENCY TESTING
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SECOND EVENT 2022

Urine Drug Screen

Acetaminophen

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	2	0	1	1
Flagging		***		

Assay Value (mg/dL)

33.7 mg/dL

Alcohol

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Lin-Zhi	11			11
Syva Emit II, Emit II Plus	9			9
Thermo Scientific DRI	13		1	12
Total Population	52	0	4	48
Flagging		***	***	

Assay Value (mg/dL)

124 mg/dL

Amphetamines

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf		8	8	
Alere	1	7	7	
Alfa Scientific InstantView		4	4	
Beckman Synchron Emit		4	4	
Bio-Rad TOX/See		5	5	
Germaine Aim	1	8	9	
Integrated E-Z Split		6	5	
Lin-Zhi		19	19	
McKesson		8	8	
MedTox Profile V	2	18	18	2
MultiDrug Cup 3rd party, OEM		4	4	
Roche Cobas		7	7	
Siemens Dimension		6	6	
Synermed		6	6	
Syva Emit II, Emit II Plus		11	11	
Thermo Scientific DRI		16	16	
UA Cups		24	24	
US Diagnostics UScreen		19	19	
Total Population	5	236	236	3
Flagging	***			***

Assay Value (ug/mL)

4.25 ug/mL

Barbiturates

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	7		7	
Alere	7		6	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
Integrated E-Z Split	4		4	
Lin-Zhi	13		13	
McKesson	8		8	
MedTox Profile V	20		20	
Roche Cobas	7		7	
Siemens Dimension	5		5	
Synermed	6		6	
Syva Emit II, Emit II Plus	9		9	
Thermo Scientific DRI	11		11	
UA Cups	24		24	
US Diagnostics UScreen	18		18	
Total Population	201	0	200	0
Flagging		***		***

Assay Value (ug/mL)

Benzodiazepines

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	8		8	
Alere	8		7	
Alfa Scientific InstantView	5		5	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
Integrated E-Z Split	4		4	
Lin-Zhi	20		20	
McKesson	8		8	
MedTox Profile V	20		20	
MultiDrug Cup 3rd party, OEM	4		4	
Roche Cobas	7		7	
Siemens Dimension	5		5	
Synermed	7		7	
Syva Emit II, Emit II Plus	9		9	
Thermo Scientific DRI	16		16	
UA Cups	24		24	
US Diagnostics UScreen	19		19	
Total Population	224	0	223	0
Flagging		***		***

Assay Value (ug/mL)

Buprenorphine

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	6		6	
Lin-Zhi	21		21	
McKesson	8		8	
MedTox Profile V	14		14	
Synermed	6		6	
Thermo Scientific DRI	7		7	
UA Cups	23		23	
Total Population	129	0	129	0
Flagging		***		***

Assay Value (ng/mL)

Cannabinoids

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	7		7	
Alere	7		6	
Alfa Scientific InstantView	16		16	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
Germaine Aim	12		12	
Integrated E-Z Split	5		5	
Lin-Zhi	21		21	
McKesson	8		8	
MedTox Profile V	20		20	
Roche Cobas	7		7	
Siemens Dimension	7		7	
Synermed	6		6	
Syva Emit II, Emit II Plus	12		12	
Thermo Scientific DRI	15		15	
UA Cups	24		24	
US Diagnostics UScreen	19		19	
Total Population	258	1	257	1
Flagging		***		***

Assay Value (ng/mL)

Cocaine Metabolite - Benzoylcegonine

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	7		7	
Alere	8		7	
Alfa Scientific InstantView	16		16	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
Germaine Aim	12		12	
Integrated E-Z Split	5		5	
Lin-Zhi	20		20	
McKesson	8		8	
MedTox Profile V	20		20	
MultiDrug Cup 3rd party, OEM	3	1	4	
Roche Cobas	7		7	
Siemens Dimension	7		7	
Synermed	7		7	
Syva Emit II, Emit II Plus	12		12	
Thermo Scientific DRI	15		15	
UA Cups	24		24	
US Diagnostics UScreen	19		19	
Total Population	260	2	260	1
Flagging		***		***

Assay Value (ug/mL)

Cotinine

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	10		4	6
Flagging				

Assay Value (ng/mL)

650 ng/mL

Fentanyl

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
ARK Diagnostics		3	2	1
Immunalysis		5	5	
Thermo Scientific DRI	1	5	6	
Total Population	4	15	18	1
Flagging	***			***

Assay Value (ug/mL)

0.075 ug/mL

K2 Metabolite (UR-144, JWH-073, XLR-11)

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	5	0	5	0
Flagging		***		

Assay Value (ng/mL)

Lysergic Acid Diethylamide

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	3	1	4	0
Flagging				***

Assay Value (pg/mL)

*Due to a lack of participant consensus, Specimen 6 was not evaluated this event. The intended result was Absent.

6-Monoacetylmorphine (6-MAM)

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Syva Emit II, Emit II Plus	5		5	
Thermo Scientific DRI	3		3	
Total Population	17	0	17	0
Flagging		***		***

Assay Value (ug/mL)

MDMA (Ecstasy)

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf		7	7	
Alere		5	5	
Bio-Rad TOX/See	1	3	4	
Integrated E-Z Split		4	4	
Lin-Zhi		7	7	
McKesson		8	8	
Synermed		4	4	
Thermo Scientific DRI		5	5	
UA Cups		24	24	
US Diagnostics UScreen		18	18	
Total Population	2	122	123	1
Flagging	***			***

Assay Value (ug/mL)

4.0 ug/mL

Methadone

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	7		7	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
Integrated E-Z Split	4		4	
Lin-Zhi	16		16	
McKesson	8		8	
MedTox Profile V	20		20	
MultiDrug Cup 3rd party, OEM	4		4	
Roche Cobas	6		6	
Synermed	7		7	
Syva Emit II, Emit II Plus	9		9	
Thermo Scientific DRI	11		11	
UA Cups	24		24	
US Diagnostics UScreen	17	1	18	
Total Population	189	1	190	0
Flagging		***		***

Assay Value (ug/mL)

Methadone Metabolite (EDDP)

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Alere Triage	3		3	
Total Population	14	0	14	0
Flagging		***		***

Assay Value (ug/mL)

Methamphetamine

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf		8	8	
Alere	1	4	4	
Alere Triage		3	3	
Alfa Scientific InstantView		4	4	
All chromatographic methods		3	3	
Bio-Rad TOX/See		5	5	
CLIAwaived IDTC		3	3	
Germaine Aim		3	3	
Integrated E-Z Split		5	5	
Lin-Zhi		15	15	
McKesson		8	8	
MedTox Profile V	2	17	17	2
MultiDrug Cup 3rd party, OEM		3	3	
Redwood BioTech One Step		3	3	
Synermed		6	6	
UA Cups		24	24	
US Diagnostics UScreen	1	18	19	
Total Population	7	156	159	3
Flagging	***			***

Assay Value (ug/mL)

1.75 ug/mL

Methaqualone

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	7	0	1	6
Flagging		***	***	

Assay Value (ug/mL)

2.0 ng/mL

Opiates

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	8		8	
Alere	8		7	
Alere Triage	3		3	
Alfa Scientific InstantView	16		16	
All chromatographic methods	3		3	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	5		5	
CLIAwaived IDTC	3		3	
Germaine Aim	12		12	
Integrated E-Z Split	5		5	
Lin-Zhi	26		26	
McKesson	8		8	
MedTox Profile V	21		21	
MultiDrug Cup 3rd party, OEM	4		4	
Noble Insta-Screen	3		3	
OneStep 3rd party, OEM	3		3	
Redwood BioTech One Step	3		3	
Roche Cobas	7		7	
Siemens Dimension	7		7	
Synermed	7		7	
Syva Emit II, Emit II Plus	11		11	
Thermo Scientific DRI	15		15	
UA Cups	24		24	
US Diagnostics UScreen	19		19	
Total Population	267	1	266	1
Flagging		***		***

Assay Value (ug/mL)

Oxycodone

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	7			7
Alere	6			6
Bio-Rad TOX/See	4			4
Integrated E-Z Split	3			4
Lin-Zhi	21			21
McKesson	8			8
MedTox Profile V	19	2	2	19
Roche Cobas	4			4
Synermed	6			6
Thermo Scientific DRI	13			13
UA Cups	23			23
US Diagnostics UScreen	19			19
Total Population	181	3	4	181
Flagging		***	***	

Assay Value ng/mL

450 ng/mL

Phencyclidine

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	4		4	
Alere	6		6	
Alfa Scientific InstantView	3		3	
All chromatographic methods	3		3	
Beckman Synchron Emit	3		3	
Bio-Rad TOX/See	5		5	
CLIAwaived IDTC	3		3	
Germaine Aim	8	1	9	
Lin-Zhi	7		7	
McKesson	7		7	
MedTox Profile V	21		21	
Redwood BioTech One Step	3		3	
Roche Cobas	6		6	
Siemens Dimension	6		6	
Synermed	3		3	
Syva Emit II, Emit II Plus	4		4	
Thermo Scientific DRI	10		10	
UA Cups	24		24	
US Diagnostics UScreen	18		18	
Total Population	184	2	185	1
Flagging		***		***

Assay Value (ng/mL)

Pinaca, K3

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	6	0	6	0
Flagging		***		***

Assay Value (ng/mL)

Propoxyphene

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Alere	3		3	
Integrated E-Z Split	3		3	
MedTox Profile V	20		20	
Syva Emit II, Emit II Plus	3		3	
Thermo Scientific DRI	5		5	
Total Population	54	0	54	0
Flagging		***		***

Assay Value (ug/mL)

Tramadol

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Immunalysis	3		3	
Total Population	6	0	6	0
Flagging		***		***

Assay Value (ng/mL)

Tricyclic Antidepressants

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	4		4	
Alere	3		3	
Alere Triage	3		3	
All chromatographic methods	3		3	
Bio-Rad TOX/See	5		5	
Express Diag DrugCheck	3		3	
MedTox Profile V	21		21	
UA Cups	23		23	
US Diagnostics UScreen	17		17	
Total Population	99	0	99	0
Flagging		***		***

Assay Value (ug/mL)

Zolpidem

Name	Specimen 6		Specimen 7	
	Absent	Present	Absent	Present
Total Population	2	0	2	0
Flagging		***		***

Assay Value (ug/mL)