



**PROFICIENCY TESTING SERVICE
AMERICAN ASSOCIATION OF BIOANALYSTS**
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PARTICIPANT STATISTICS

URINE DRUG SCREEN

SECOND QUADRIMESTER 2016

Acetaminophen

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Total Population	3	6	0	9
Flagging			***	

Assay Value (µg/mL) 39 39

*Due to a lack of participant consensus, Specimen 1 was not evaluated this event.

Alcohol

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Carolina		4		4
Lin-Zhi		36		36
Mindray BS-200		5		5
Syva Emit II, Emit II Plus		14		14
Thermo Scientific DRI	1	20	1	20
Total Population	3	105	3	105
Flagging	***		***	

Assay Value (mg/dL) 154 152

Amphetamines

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	34		1	33
Alere Triage	8		1	7
Alfa Scientific InstantView	8		1	7
All chromatographic methods	4			4
Beckman Synchron Emit	5			5
Bio-Rad TOX/See	25		1	24
BMC QuickTox	5			5
Carolina	5			5
CLIAwaived IDTC	5			5
Express Diag DrugCheck	4			4
Germaine Aim	5			5
iCassette	4			4
iCup	5			5
Innovacon	10			10
Integrated E-Z Split	5			5
Lin-Zhi	36			36
MedTox Profile series	14			14
MedTox Profile V	21			21
MedTox Verdict-II	6			6
Mindray BS-200	5			5
Noble Insta-Screen	5			5
Noble Multi-CLIN	5			5
Noble One Step	20			20
OneStep 3rd party, OEM	11			11
OneStep OEM 3rd party wvd	4			4
Redwood BioTech One Step	4			4
Roche Cobas	10			10
Siemens Dimension	7			7
Syva Emit II, Emit II Plus	20			20
Thermo Scientific DRI	27			27
US Diagnostics ProScreen	8			8
Total Population	394	1	6	389
Flagging		***	***	

Assay Value (ug/mL)

4.0

Barbiturates

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	33			33
Alere Triage	8			8
Alfa Scientific InstantView	5			5
All chromatographic methods	4			4
Beckman Synchron Emit	4			4
Bio-Rad TOX/See	25			25
BMC QuickTox	5			5
Carolina	6			6
CLIAwaived IDTC	5			5
Express Diag DrugCheck	4			4
iCup	4			4
Innovacon	9			9
Lin-Zhi	36			36
MedTox Profile series	12			12
MedTox Profile V	23			23
MedTox Verdict-II	5			5
Noble One Step	18			18
OneStep 3rd party, OEM	8			8
OneStep OEM 3rd party wvd	4			4
Redwood BioTech One Step	4			4
Roche Cobas	9			9
Siemens Dimension	6			6
Syva Emit II, Emit II Plus	16			16
Thermo Scientific DRI	22			22
US Diagnostics ProScreen	8			8
Total Population	345	1	345	1
Flagging		***		***

Assay Value (ng/mL)

Benzodiazepines

Name	Specimen 1		Specimen 2		
	Absent	Present	Absent	Present	
Alere		34	34		
Alere Triage		8	8		
Alfa Scientific InstantView		10	10		
All chromatographic methods	1	3	4		
Beckman Synchron Emit		4	4		
Bio-Rad TOX/See		25	25		
BMC QuickTox		5	5		
Carolina		5	5		
CLIAwaived IDTC		5	5		
Express Diag DrugCheck		4	4		
iCup		5	5		
Innovacon		10	10		
Lin-Zhi		41	41		
MedTox Profile series		13	13		
MedTox Profile V	5	17	22		
MedTox Verdict-II		6	6		
Mindray BS-200		5	5		
Noble One Step	1	17	18		
OneStep 3rd party, OEM		10	10		
OneStep OEM 3rd party wvd		4	4		
Redwood BioTech One Step		5	5		
Roche Cobas		9	9		
Siemens Dimension		7	7		
Siemens V-Twin		4	4		
Synermed		4	4		
Syva Emit II, Emit II Plus		16	16		
Thermo Scientific DRI		26	26		
US Diagnostics ProScreen		8	8		
Total Population	10	366	375	1	
Flagging	***				***

Assay Value (ng/mL)

3.0

Buprenorphine

Name	Specimen 1		Specimen 2		
	Absent	Present	Absent	Present	
Alere	10		10		
CLIAwaived IDTC	5		5		
Immunalysis	11		11		
Lin-Zhi	35		35		
MedTox Profile V	11		11		
Microgenics Cedia DAU	6		6		
Mindray BS-200	4		4		
Noble One Step	6		5		
Siemens Viva ser	17		17		
Syva Emit II, Emit II Plus	23		23		
Thermo Scientific DRI	10		10		
Total Population	174	0	173	1	
Flagging		***			***

Assay Value (ng/mL)

Cannabinoids

Name	Specimen 1		Specimen 2		
	Absent	Present	Absent	Present	
Alere		35	35		
Alere Triage		8	8		
Alfa Scientific InstantView		22	22		
All chromatographic methods		4	4		
Beckman Synchron Emit		5	5		
Bio-Rad TOX/See		24	24		
BMC QuickTox		5	5		
Carolina		5	5		
CLIAwaived IDTC		5	5		
Express Diag DrugCheck		4	4		
Germaine Aim		6	6		
iCassette		4	4		
iCup		6	6		
Innovacon		11	11		
Instant Tech. One Step		4	4		
Integrated E-Z Split		5	5		
Lin-Zhi		38	38		
MedTox Profile series	2	11	13		
MedTox Profile V		23	23		
MedTox Verdict-II		6	6		
Mindray BS-200		5	5		
Noble Insta-Screen		5	5		
Noble Multi-CLIN		5	5		
Noble One Step		20	20		
OneStep 3rd party, OEM		11	11		
OneStep OEM 3rd party wvd		4	4		
Redwood BioTech One Step		6	6		
Roche Cobas		10	10		
Siemens Dimension		7	7		
Siemens Viva ser		17	17		
Siemens V-Twin		6	6		
Synermed		4	4		
Syva Emit II, Emit II Plus		45	45		
Thermo Scientific DRI	1	26	27		
US Diagnostics ProScreen		8	8		
Total Population	5	460	464	1	
Flagging	***				***

Assay Value (ng/mL)

165

Cocaine Metabolite

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	5		5	
Alere	35		34	1
Alere Triage	8		8	
Alfa Scientific InstantView	22		22	
All chromatographic methods	4		4	
Beckman Synchron Emit	5		5	
Bio-Rad TOX/See	25		25	
BMC QuickTox	5		5	
Carolina	5		5	
CLIAwaived IDTC	6		6	
CLIAwaived OneScreen	6		6	
Express Diag DrugCheck	4		4	
Germaine Aim	6		6	
iCassette	4		4	
iCup	7		7	
Innovacon	10		10	
Instant Tech. One Step	4		4	
Integrated E-Z Split	5		5	
Lin-Zhi	42		42	
MedTox Profile series	13	1	14	
MedTox Profile V	22		22	
MedTox Verdict-II	6		6	
Mindray BS-200	5		5	
Noble Insta-Screen	5		5	
Noble Multi-CLIN	5		5	
Noble One Step	20		20	
OneStep 3rd party, OEM	17		17	
OneStep OEM 3rd party wvd	20		20	
Redwood BioTech One Step	6		6	
Roche Cobas	10		10	
Siemens Dimension	7		7	
Siemens V-Twin	5		5	
Synermed	4		4	
Syva Emit II, Emit II Plus	21		21	
Thermo Scientific DRI	28		28	
US Diagnostics ProScreen	8		8	
US Diagnostics UScreen	4		4	
Total Population	462	2	462	2
Flagging		***		***

Assay Value (ng/mL)

Cotinine

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Thermo Scientific DRI	4	2	6	
Total Population	7	10	16	1
Flagging				***

Assay Value (ng/mL)

400

*Due to a lack of participant consensus, Specimen 1 was not evaluated this event.

K2 Metabolite (UR-144)

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Immunoanalysis	6		6	
Siemens Viva ser	13	1	13	1
Syva Emit II, Emit II Plus	15		15	
Total Population	44	2	45	1
Flagging				***

Assay Value (pg/mL)

25

*Due to a lack of agreement to target, Specimen 1 was not evaluated this event.

Lysergic Acid Diethylamide

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Total Population	3	0	3	0
Flagging		***		***

Assay Value (pg/mL)

Methamphetamine

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	4		4	
Alere	23		22	1
Alfa Scientific InstantView	10		10	
Bio-Rad TOX/See	25		24	
BMC QuickTox	4		4	
Carolina	4		4	
CLIAwaived IDTC	6		6	
CLIAwaived OneScreen	6		6	
Express Diag DrugCheck	4		4	
iCup	5		5	
Innovacon	8		8	
Lin-Zhi	31		31	
MedTox Profile series	13		13	
MedTox Profile V	21		21	
Noble One Step	19		19	
OneStep 3rd party, OEM	15		15	
OneStep OEM 3rd party wvd	20		20	
Redwood BioTech One Step	6		6	
US Diagnostics ProScreen	8		8	
US Diagnostics UScreen	4		4	
Total Population	280	1	277	3
Flagging		***		***

Assay Value (ng/mL)

MDMA (Ecstasy)

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	20		20	
Bio-Rad TOX/See	18		18	
BMC QuickTox	5		5	
Carolina	3	1	3	1
CLIAwaived IDTC	5		5	
Express Diag DrugCheck	4		4	
Innovacon	7		7	
Lin-Zhi	26		26	
Noble One Step	18		18	
OneStep 3rd party, OEM	5		5	
OneStep OEM 3rd party wvd	4		4	
Syva Emit II, Emit II Plus	5		5	
Thermo Scientific DRI	11		11	
US Diagnostics ProScreen	8		8	
Total Population	194	1	194	1
Flagging		***		***

Assay Value (ng/mL)

Methadone

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	21		21	
Alere Triage	6		6	
Alfa Scientific InstantView	5		5	
Beckman Synchron Emit	4		4	
Bio-Rad TOX/See	22		22	
BMC QuickTox	5		5	
Carolina	5		5	
CLIAwaived IDTC	5		5	
Express Diag DrugCheck	4		4	
iCup	4		4	
Innovacon	6		6	
Lin-Zhi	32		32	
MedTox Profile series	10		10	
MedTox Profile V	21		21	
Mindray BS-200	5		5	
Noble One Step	18		18	
OneStep 3rd party, OEM	8		8	
OneStep OEM 3rd party wvd	4		4	
Redwood BioTech One Step	4		4	
Roche Cobas	8		8	
Siemens Dimension	4		4	
Synermed	4		4	
Syva Emit II, Emit II Plus	14		14	
Thermo Scientific DRI	21		21	
US Diagnostics ProScreen	7		7	
Total Population	297	0	296	0
Flagging		***		***

Assay Value (ng/mL)

Methadone Metabolite (EDDP)

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Total Population	17	0	17	0
Flagging		***		***

Assay Value (ng/mL)

Methaqualone

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Total Population	2	12	2	12
Flagging	***		***	

Assay Value (ug/mL)

2.0

2.0

Opiates

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	5		5	
Alere	35		34	1
Alere Triage	8		8	
Alfa Scientific InstantView	22		21	
All chromatographic methods	4		3	1
Beckman Synchron Emit	5		5	
Bio-Rad TOX/See	24		24	
BMC QuickTox	5		5	
Carolina	5		5	
CLIAwaived IDTC	6		6	
CLIAwaived OneScreen	6		6	
Express Diag DrugCheck	4		4	
Germaine Aim	6		6	
iCassette	4		4	
iCup	6		6	
Innovacon	11		11	
Instant Tech. One Step	4		4	
Integrated E-Z Split	5		5	
Lin-Zhi	42		42	
MedTox Profile series	13		13	
MedTox Profile V	22		22	
MedTox Verdict-II	6		6	
Mindray BS-200	5		5	
Noble Insta-Screen	5		5	
Noble Multi-CLIN	5		5	
Noble One Step	20		20	
OneStep 3rd party, OEM	17		17	
OneStep OEM 3rd party wvd	17		17	
Redwood BioTech One Step	6		5	
Roche Cobas	10		10	
Siemens Dimension	7		7	
Siemens Viva ser	17		17	
Siemens V-Twin	7		7	
Synermed	4		4	
Syva Emit II, Emit II Plus	45		45	
Thermo Scientific DRI	27		27	
US Diagnostics ProScreen	8		8	
Total Population	502	1	498	3
Flagging		***		***

Assay Value (ng/mL)

Oxycodone

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
3rd party cannot determ manuf	4			4
Alere	22		1	21
Bio-Rad TOX/See	18		1	17
BMC QuickTox	5			5
Carolina	4			4
CLIAwaived IDTC	6			6
CLIAwaived OneScreen	6			6
Diag Reag Inc (DRI)	4			4
Express Diag DrugCheck	4			4
iCup	4		1	3
Immunoanalysis	4			4
Innovacon	5			5
Lin-Zhi	35			35
MedTox Profile series	10			10
MedTox Profile V	22			22
Mindray BS-200	5			5
Noble One Step	18			18
OneStep 3rd party, OEM	12			12
OneStep OEM 3rd party wvd	20			20
Roche Cobas	4			4
Thermo Scientific DRI	22			22
US Diagnostics ProScreen	8			8
Total Population	290	1	6	285
Flagging		***	***	

Assay Value ng/mL

450

Phencyclidine

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere		30	30	
Alere Triage	1	5	6	
Alfa Scientific InstantView		6	6	
All chromatographic methods		4	4	
Beckman Synchron Emit		5	5	
Bio-Rad TOX/See	1	21	22	
BMC QuickTox		5	5	
Carolina		4	4	
CLIAwaived IDTC		5	5	
Germaine Aim		5	5	
Innovacon		9	9	
Lin-Zhi		24	24	
MedTox Profile series	2	9	11	
MedTox Profile V	1	22	23	
MedTox Verdict-II		5	5	
Mindray BS-200		5	5	
Noble Insta-Screen		5	5	
Noble Multi-CLIN		5	5	
Noble One Step		12	12	
OneStep 3rd party, OEM		9	9	
OneStep OEM 3rd party wvd		4	4	
Redwood BioTech One Step		5	5	
Roche Cobas		8	8	
Siemens Dimension		6	6	
Syva Emit II, Emit II Plus		14	14	
Thermo Scientific DRI		19	19	
US Diagnostics ProScreen		8	8	
Total Population	6	318	324	0
Flagging	***			***

Assay Value (ng/mL)

200

Propoxyphene

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	17		17	
Beckman Synchron Emit	4		4	
Innovacon	5		5	
Lin-Zhi	4		4	
MedTox Profile series	10		10	
MedTox Profile V	22		22	
Syva Emit II, Emit II Plus	8		8	
Thermo Scientific DRI	7		7	
Total Population	113	0	113	0
Flagging		***		***

Assay Value (ng/mL)

Tricyclic Antidepressants

Name	Specimen 1		Specimen 2	
	Absent	Present	Absent	Present
Alere	30		30	
Alere Triage	7		7	
Bio-Rad TOX/See	20		20	
Innovacon	5		5	
MedTox Profile series	9		9	
MedTox Profile V	21		21	
Noble Multi-CLIN	4		3	
Noble One Step	18		18	
Thermo Scientific DRI	6		6	
Total Population	162	0	162	0
Flagging		***		***

Assay Value (ug/mL)