



Verification for Qualitative Test Methods

Purpose	To verify the instrument is fit for use after maintenance on the RoMa or Robotics Manipulator arm.
Analytes	Amphetamine, Barbiturates, Benzodiazepines, Cocaine and metabolites, Cannabinoids, Carisoprodol, Methadone, Methamphetamine, Opiates, Phencyclidine, Zolpidem (Blood only), and Oxycodone
Units of Measure	ng/mL
Analyst Performing Validation Study	Ashley Ann Johnson, M.S.
Responsible Supervisor	Melissa Lloyd
Start Date	June 26, 2018
Completion Date	June 26, 2018
Primary Matrix	Blood & Urine
Calibrator Concentration (Blood & Urine)	d-Amphetamine (20 & 200 ng/mL); Secobarbital (50 & 300 ng/mL); Oxazepam (20 & 100 ng/mL); Benzoylcegonine (20 & 150 ng/mL); 11-nor-9-carboxy-THC (5 & 20 ng/mL); Carisoprodol (500 & 500 ng/mL); Methadone (25 & 300 ng/mL); d-Methamphetamine (20 & 200 ng/mL); Morphine (20 & 200 ng/mL); Phencyclidine (10 & 25 ng/mL); Zolpidem (10 ng/mL); and Oxycodone (10 & 100 ng/mL)
Equipment/Instrument	Tecan-2
Instrument Serial Number	1010008386
Method	ELISA

Verification Approval

Analyst: _____ 6/27/2018
Date

Responsible Supervisor: _____ 6/27/2018
Date

Verification Study

ELISA CONTROL CRITERIA

Method **ELISA**
 Units: **ng/mL**
 Instrument: **Tecan-2**

Analyst: **Ashley Ann Johnson, M.S.**
 Study Dates: **6/26/18 to 6/26/18**
 Matrix: **Blood**

Batch Name	Analyte	Blank % CV	Average Absorbance			Average % Binding			Average Absorbance and % Binding Acceptable	
			Blank	Negative	Calibrator	Positive	Negative	Calibrator		Positive
Day 1	<i>Acceptance Criteria</i>	<20	>1.0						<i>Blank>Negative>Cal>Positive</i>	
EIA_20180626B_AAJ	Amphetamine	0.48	3.41	3.10	2.44	1.83	90.90	71.62	53.60	Yes
	Barbiturates	5.60	3.43	2.13	1.43	1.22	62.14	41.64	35.40	Yes
	Benzodiazepines	3.84	2.71	2.02	1.28	1.03	74.40	47.43	37.99	Yes
	Cocaine and Metabolites	0.68	2.90	1.72	1.41	1.20	59.19	48.55	41.22	Yes
	Cannabinoids	0.89	3.09	2.62	2.15	0.98	84.59	69.62	31.56	Yes
	Carisoprodol	0.70	3.14	2.13	1.36	1.00	67.87	43.32	31.86	Yes
	Methodone	5.07	1.97	0.96	0.59	0.37	48.84	29.93	19.04	Yes
	Methamphetamine	1.43	2.52	1.45	1.15	0.96	57.55	45.63	37.95	Yes
	Opiates	5.65	2.94	1.66	1.09	0.77	56.41	37.01	26.09	Yes
	Phencyclidine	1.25	3.16	1.65	1.17	0.82	52.34	36.95	25.86	Yes
	Zolpidem	0.34	3.13	2.10	1.72	1.39	67.07	54.87	44.56	Yes
Oxycodone	0.66	3.11	1.48	0.75	0.39	47.53	24.24	12.50	Yes	

Comments:

Verification Study

ELISA CONTROL CRITERIA

Method **ELISA**
 Units: **ng/mL**
 Instrument: **Tecan-2**

Analyst: **Ashley Ann Johnson, M.S.**
 Study Dates: **6/26/18 to 6/26/18**
 Matrix: **Urine**

Batch Name	Analyte	Blank % CV	Average Absorbance			Average % Binding			Average Absorbance and % Binding Acceptable	
			Blank	Negative	Calibrator	Positive	Negative	Calibrator		Positive
Day 1	<i>Acceptance Criteria</i>	<20	>1.0						<i>Blank>Negative>Cal>Positive</i>	
EIA_20180626U_AAJ	Amphetamine	1.20	3.48	1.73	1.04	0.56	49.65	29.85	16.02	Yes
	Barbiturates	1.39	3.42	1.59	1.24	0.92	46.54	36.36	26.82	Yes
	Benzodiazepines	2.47	2.75	1.09	0.57	0.31	39.58	20.79	11.26	Yes
	Cocaine and Metabolites	1.88	2.53	1.82	1.62	1.41	71.86	64.00	55.69	Yes
	Cannabinoids	0.59	2.98	1.97	1.51	0.81	66.30	50.80	27.10	Yes
	Carisoprodol	1.33	3.13	2.04	1.66	1.20	65.16	53.05	38.43	Yes
	Methodone	1.45	1.76	0.49	0.26	0.14	27.99	14.59	7.94	Yes
	Methamphetamine	2.92	2.45	1.13	0.77	0.57	46.07	31.31	23.18	Yes
	Opiates	0.30	3.09	0.55	0.33	0.19	17.74	10.64	6.11	Yes
	Phencyclidine	2.43	3.00	1.41	0.92	0.61	46.83	30.49	20.30	Yes
	Oxycodone	0.63	3.26	1.51	1.34	1.06	46.36	40.92	32.50	Yes

Comments:

Acceptance Criteria: Refer to the Drug Screen by Enzyme-Linked Immunosorbent Assay (ELISA) section 12.9 of the Analytical Manual Standard Operating Procedures Version 3.1.

Analyte: Amphetamine					Analyte: Barbiturates						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: d-Amphetamine			Sample Volume: 10 µL		Target Analyte: Secobarbital			Sample Volume: 20 µL			
Cal Conc: 20 ng/mL					Cal Conc: 50 ng/ml						
Neg QC Conc: 10 ng/mL					Neg QC Conc: 10 ng/ml						
Pos QC Conc: 40 ng/mL					Pos QC Conc: 100 ng/ml						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	3.106	1.910	91.205	56.086	EIA_20180626B_AAJ	1	2.107	1.227	61.357	35.731
	2	3.085	1.741	90.589	51.123		2	2.161	1.204	62.930	35.061
	3	2.997	1.691	88.005	49.655		3	2.154	1.197	62.726	34.857
	Mean	3.063	1.781	89.933	52.288		Mean	2.141	1.209	62.338	35.216
	Stdev	0.058	0.115	1.698	3.370		Stdev	0.029	0.016	0.855	0.457
	% RSD	1.888	6.445	1.888	6.445		% RSD	1.372	1.298	1.372	1.298
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes
Analyte: Benzodiazepines					Analyte: Cocaine and Metabolites						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: Oxazepam			Sample Volume: 30 µL		Target Analyte: Benzoylcgonine			Sample Volume: 75 µL			
Cal Conc: 20 ng/mL					Cal Conc: 20 ng/mL						
Neg QC Conc: 10 ng/mL					Neg QC Conc: 10 ng/mL						
Pos QC Conc: 40 ng/mL					Pos QC Conc: 40 ng/mL						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	2.021	1.069	74.617	39.468	EIA_20180626B_AAJ	1	1.726	1.210	59.435	41.667
	2	2.009	0.989	74.174	36.515		2	1.712	1.184	58.953	40.771
	3	2.084	0.987	76.943	36.441		3	1.732	1.188	59.642	40.909
	Mean	2.038	1.015	75.245	37.475		Mean	1.723	1.194	59.343	41.116
	Stdev	0.040	0.047	1.487	1.727		Stdev	0.010	0.014	0.354	0.482
	% RSD	1.977	4.608	1.977	4.608		% RSD	0.596	1.173	0.596	1.173
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes
Analyte: Cannabinoids					Analyte: Carisoprodol						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: 11-nor-9-carboxy-THC			Sample Volume: 50 µL		Target Analyte: Carisoprodol			Sample Volume: 10 µL			
Cal Conc: 5 ng/mL					Cal Conc: 500 ng/mL						
Neg QC Conc: 2.5 ng/mL					Neg QC Conc: 100 ng/mL						
Pos QC Conc: 20 ng/mL					Pos QC Conc: 1000 ng/mL						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	2.622	1.024	84.786	33.112	EIA_20180626B_AAJ	1	2.135	0.987	67.961	31.418
	2	2.610	0.928	84.398	30.008		2	2.129	1.015	67.770	32.309
	3	2.574	0.980	83.234	31.690		3	2.066	1.021	65.765	32.500
	Mean	2.602	0.977	84.139	31.603		Mean	2.110	1.008	67.165	32.076
	Stdev	0.025	0.048	0.808	1.554		Stdev	0.038	0.018	1.216	0.578
	% RSD	0.960	4.917	0.960	4.917		% RSD	1.812	1.801	1.811	1.800
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes
Analyte: Methadone					Analyte: Methamphetamine						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: Methadone			Sample Volume: 25 µL		Target Analyte: d-Methamphetamine			Sample Volume: 25 µL			
Cal Conc: 25 ng/mL					Cal Conc: 20 ng/mL						
Neg QC Conc: 12.5 ng/mL					Neg QC Conc: 10 ng/mL						
Pos QC Conc: 50 ng/mL					Pos QC Conc: 40 ng/mL						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	0.966	0.399	49.123	20.290	EIA_20180626B_AAJ	1	1.450	0.968	57.505	38.390
	2	0.955	0.350	48.563	17.798		2	1.452	0.946	57.585	37.517
	3	0.888	0.409	45.156	20.798		3	1.375	0.910	54.531	36.090
	Mean	0.936	0.386	47.614	19.629		Mean	1.426	0.941	56.540	37.332
	Stdev	0.042	0.032	2.147	1.606		Stdev	0.044	0.029	1.741	1.161
	% RSD	4.509	8.180	4.509	8.180		% RSD	3.079	3.111	3.078	3.110
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes
Analyte: Opiates					Analyte: Phencyclidine						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: Morphine			Sample Volume: 10 µL		Target Analyte: Phencyclidine			Sample Volume: 10 µL			
Cal Conc: 20 ng/mL					Cal Conc: 10 ng/mL						
Neg QC Conc: 10 ng/mL					Neg QC Conc: 5 ng/mL						
Pos QC Conc: 40 ng/mL					Pos QC Conc: 20 ng/mL						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	1.715	0.797	58.363	27.123	EIA_20180626B_AAJ	1	1.610	0.824	50.933	26.068
	2	1.600	0.736	54.450	25.047		2	1.699	0.811	53.749	25.656
	3	1.680	0.746	57.172	25.387		3	1.643	0.807	51.977	25.530
	Mean	1.665	0.760	56.662	25.852		Mean	1.651	0.814	52.220	25.751
	Stdev	0.059	0.033	2.006	1.113		Stdev	0.045	0.009	1.424	0.281
	% RSD	3.540	4.307	3.540	4.307		% RSD	2.726	1.092	2.726	1.093
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes
Analyte: Zolpidem					Analyte: Oxycodone						
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Blood			
Target Analyte: Zolpidem			Sample Volume: 100 µL		Target Analyte: Oxycodone			Sample Volume: 10 µL			
Cal Conc: 10 ng/mL					Cal Conc: 10 ng/mL						
Neg QC Conc: 2.5 ng/mL					Neg QC Conc: 5 ng/mL						
Pos QC Conc: 20 ng/mL					Pos QC Conc: 20 ng/mL						
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding	
EIA_20180626B_AAJ	1	2.089	1.480	66.795	47.322	EIA_20180626B_AAJ	1	1.580	0.419	50.763	13.462
	2	2.106	1.307	67.338	41.791		2	1.379	0.359	44.305	11.534
	3	2.452	1.424	78.401	45.532		3	1.459	0.419	46.876	13.462
	Mean	2.216	1.404	70.845	44.882		Mean	1.473	0.399	47.315	12.819
	Stdev	0.205	0.088	6.550	2.822		Stdev	0.101	0.035	3.251	1.113
	% RSD	9.245	6.289	9.245	6.288		% RSD	6.872	8.682	6.872	8.683
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes

Analyte: Amphetamine					Analyte: Barbiturates								
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine					
Target Analyte: d-Amphetamine					Target Analyte: Secobarbital								
Cal Conc:		200	ng/mL	Sample Volume:	10	µL	Cal Conc:		300	ng/ml	Sample Volume:	10	µL
Neg QC Conc:		100	ng/mL			Neg QC Conc:		150	ng/ml				
Pos QC Conc:		400	ng/mL			Pos QC Conc:		900	ng/ml				
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding			Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		
EIA_20180626U_AAJ	1	1.813	0.570	52.090	16.377	EIA_20180626U_AAJ	1	1.626	0.890	47.579	26.042		
	2	1.643	0.545	47.206	15.659		2	1.555	0.943	45.501	27.593		
	3	1.528	0.515	43.902	14.797		3	1.583	0.913	46.320	26.715		
	Mean	1.661	0.543	47.733	15.611		Mean	1.588	0.915	46.467	26.783		
	Stdev	0.143	0.028	4.119	0.791		Stdev	0.036	0.027	1.047	0.778		
	% RSD	8.631	5.068	8.630	5.068		% RSD	2.252	2.904	2.253	2.904		
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes		
Analyte: Benzodiazepines					Analyte: Cocaine and Metabolites								
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine					
Target Analyte: Oxazepam					Target Analyte: Benzoylcegonine								
Cal Conc:		100	ng/mL	Sample Volume:	40	µL	Cal Conc:		150	ng/mL	Sample Volume:	10	µL
Neg QC Conc:		50	ng/mL			Neg QC Conc:		75	ng/mL				
Pos QC Conc:		300	ng/mL			Pos QC Conc:		300	ng/mL				
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding			Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		
EIA_20180626U_AAJ	1	1.035	0.311	37.650	11.313	EIA_20180626U_AAJ	1	1.830	1.447	72.432	57.273		
	2	1.141	0.308	41.506	11.204		2	1.801	1.367	71.284	54.106		
	3	1.095	0.311	39.833	11.313		3	1.850	1.442	73.224	57.075		
	Mean	1.090	0.310	39.663	11.277		Mean	1.827	1.419	72.313	56.151		
	Stdev	0.053	0.002	1.934	0.063		Stdev	0.025	0.045	0.975	1.774		
	% RSD	4.875	0.559	4.875	0.558		% RSD	1.349	3.159	1.349	3.159		
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes		
Analyte: Cannabinoids					Analyte: Carisoprodol								
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine					
Target Analyte: 11-nor-9-carboxy-THC					Target Analyte: Carisoprodol								
Cal Conc:		20	ng/mL	Sample Volume:	50	µL	Cal Conc:		500	ng/mL	Sample Volume:	10	µL
Neg QC Conc:		10	ng/mL			Neg QC Conc:		250	ng/mL				
Pos QC Conc:		60	ng/mL			Pos QC Conc:		1000	ng/mL				
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding			Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		
EIA_20180626U_AAJ	1	1.977	0.802	66.420	26.944	EIA_20180626U_AAJ	1	1.980	1.214	63.350	38.842		
	2	1.970	0.811	66.185	27.247		2	2.093	1.188	66.965	38.010		
	3	2.109	0.786	70.855	26.407		3	2.067	1.299	66.133	41.561		
	Mean	2.019	0.800	67.820	26.866		Mean	2.047	1.234	65.483	39.471		
	Stdev	0.078	0.013	2.631	0.425		Stdev	0.059	0.058	1.893	1.857		
	% RSD	3.879	1.583	3.879	1.583		% RSD	2.892	4.706	2.891	4.705		
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes		
Analyte: Methadone					Analyte: Methamphetamine								
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine					
Target Analyte: Methadone					Target Analyte: d-Methamphetamine								
Cal Conc:		300	ng/mL	Sample Volume:	10	µL	Cal Conc:		200	ng/mL	Sample Volume:	10	µL
Neg QC Conc:		150	ng/mL			Neg QC Conc:		100	ng/mL				
Pos QC Conc:		600	ng/mL			Pos QC Conc:		400	ng/mL				
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding			Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		
EIA_20180626U_AAJ	1	0.495	0.138	28.157	7.850	EIA_20180626U_AAJ	1	1.153	0.565	47.090	23.075		
	2	0.489	0.141	27.816	8.021		2	1.103	0.570	45.048	23.280		
	3	0.593	0.140	33.732	7.964		3	0.918	0.434	37.492	17.725		
	Mean	0.526	0.140	29.902	7.945		Mean	1.058	0.523	43.210	21.360		
	Stdev	0.058	0.002	3.322	0.087		Stdev	0.124	0.077	5.056	3.150		
	% RSD	11.108	1.094	11.108	1.094		% RSD	11.701	14.745	11.701	14.746		
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes		
Analyte: Opiates					Analyte: Phencyclidine								
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine		Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine					
Target Analyte: Morphine					Target Analyte: Phencyclidine								
Cal Conc:		200	ng/mL	Sample Volume:	10	µL	Cal Conc:		25	ng/mL	Sample Volume:	10	µL
Neg QC Conc:		100	ng/mL			Neg QC Conc:		12.5	ng/mL				
Pos QC Conc:		400	ng/mL			Pos QC Conc:		50	ng/mL				
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding			Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding		
EIA_20180626U_AAJ	1	0.514	0.199	16.621	6.435	EIA_20180626U_AAJ	1	1.384	0.619	46.095	20.616		
	2	0.583	0.179	18.852	5.788		2	1.428	0.600	47.560	19.983		
	3	0.602	0.176	19.466	5.691		3	1.474	0.575	49.092	19.151		
	Mean	0.566	0.185	18.313	5.971		Mean	1.429	0.598	47.582	19.917		
	Stdev	0.046	0.013	1.497	0.404		Stdev	0.045	0.022	1.499	0.735		
	% RSD	8.177	6.771	8.175	6.770		% RSD	3.150	3.690	3.150	3.689		
	Acceptable?	Yes	Yes	Yes	Yes		Acceptable?	Yes	Yes	Yes	Yes		
Analyte: Oxycodone													
Instrument: Tecan-2 Analyst: Ashley Ann Johnson, M.S.			Study Dates: 6/26/18 to 6/26/18 Matrix: Urine										
Target Analyte: Oxycodone													
Cal Conc:		100	ng/mL	Sample Volume:	40	µL							
Neg QC Conc:		50	ng/mL										
Pos QC Conc:		200	ng/mL										
		Negative QC (Abs)	Positive QC (Abs)	Negative % Binding	Positive % Binding								
EIA_20180626U_AAJ	1	1.519	1.064	46.545	32.603								
	2	1.507	1.057	46.177	32.389								
	3	1.564	1.080	47.924	33.093								
	Mean	1.530	1.067	46.882	32.695								
	Stdev	0.030	0.012	0.921	0.361								
	% RSD	1.964	1.105	1.964	1.104								
	Acceptable?	Yes	Yes	Yes	Yes								

SUMMARY OF VERIFICATION PERFORMANCE

Analyte: **Multiple**
Units: **ng/mL**
Instrument: **Tecan-2**

Analyst: **Ashley Ann Johnson, M.S.**
Dates of Validation: **6/26/18 to 6/26/18**
Matrix: **Blood & Urine**

Deviations from SOP: N/A

Other Observations:

Abbreviations:
ELISA - Enzyme-Linked Immunosorbent Assay
% Binding - Percent Binding
% RSD - Percent Relative Standard Deviation
Avg. Abs. - Average Absorbance
Abs - Absolute Absorbance
Cal - Calibrator
Neg - Negative Control
Pos - Positive Control
% CV - Percent Coefficient of Variation
QC - Quality Control
Outlier - Data point outside the 1.5 interquartile range (IQR) of the replicate values (i.e., $<Q1 - 1.5 \cdot IQR$ or $>Q3 + 1.5 \cdot IQR$).

Lot Numbers:

Blank: E32118, 101017U; Mixed Calibrator: 041618B-MXC, 050418U-MXC; Mixed Negative: 041618B-MXN, 050718U-MXN; Mixed Positive: 041618B-MXP, 050718U-MXP; Oxycodone Calibrator: 041618B-C-10, 050418U-C-100; Oxycodone Negative: 041618B-Q-5, 050718U-Q-50; Oxycodone Positive: 041618B-Q-20, 050718U-Q-200; PBS: 040918-PBS7

Conclusion:

Method is fit for purpose for analysis of blood and urine samples using the amphetamine, barbiturates, benzodiazepines, cocaine and metabolites, cannabinoids, carisoprodol, methadone, methamphetamine, opiates, phencyclidine, zolpidem (blood only), and oxycodone assays.