



Houston Forensic Science Center
Comparative and Analytical Division - Toxicology

Immunoassay Batch Review Checklist

Batch Name: EFA-20180927B-AA52		Analyst Review	Technical Review
Worklist	Batch name written and item(s) tested for each case listed	✓	✓
	Pipette(s) used listed	✓	✓
	Lot numbers for calibrators, controls, and reagents are listed	✓	
	Inventory number(s) listed	✓	✓
Sequence	Verify batch file name is consistent	✓	✓
	Reviewer verified, initialed, and dated sequence	✓	✓
	Verify appropriate calibrator and controls were analyzed, and appropriate controls were run at least after every 10 case samples	✓	✓
	Verify all cases were processed and have data	✓	✓
Magellan Data	Verify average absorbance of blank replicates is above 1.000	✓	✓
	Verify calibrators and controls are acceptable	✓	✓
	Verify case samples are bracketed by acceptable positive controls	✓	✓
	Verify correct method was run	✓	✓
Immunoassay Case Summary Report	Verify absorbance readings on Immunoassay Case Summary Report against Magellan data	N/A	N/A
	Verify results on Immunoassay Case Summary Report against Magellan data	↓	↓
	Verify analyst, matrix, instrument, and batch name(s)	↓	↓
	Verify forensic case number and item tested	↓	↓
Immunoassay Batch QC Data Worksheet	Verify batch and analyst names	✓	✓
	Verify preparation of calibrators, controls, and reagents	✓	✓
	Verify pipette(s) against those listed on the worklist	✓	✓
	Verify lot numbers and expiration dates of calibrators, controls, and reagents	✓	✓
	Verify kit lot numbers and expirations dates against Drug Standard Database	✓	✓
Verify all quality controls were added to QC Logs		✓	✓
All comments and/or strikethroughs, if any, initialed		✓	✓
All pages contain batch name and are initialed		✓	✓

RAG

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Notes from Technical Review

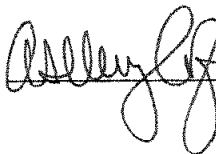
EIA-20180927B-AAJ2

Blank control for BZ transcribed incorrectly into QC log. 09/28/18

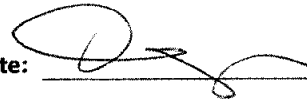
Analyst Review

Technical Review

Signature/Date:

 9/27/2018

Signature/Date:

 09/28/18



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Immunoassay Batch QC Data

Batch: ETA-20180927B-AAJ2 Analyst: Ashley Ann Johnson

Matrix: Blood Urine

Instrument: Tecan Tecan-2

Pipette(s): 8932 2350

Phosphate Buffer Saline Lot Number: 180824-PBS7 Expiration Date: 2/24/19

Controls:	Lot Number	Expiration	Oxycodone:	Lot Number	Expiration
Blank	<u>E32118</u>	<u>11/18</u>	Negative	<u>N/A</u>	<u>N/A</u>
Negative	<u>180830B-MXN</u>	<u>2/24/19</u>	Calibrator	<u>↓</u>	<u>↓</u>
Calibrator	<u>041668B-MXC</u>	<u>10/9/18</u>	Positive	<u>↓</u>	<u>↓</u>
Positive	<u>180830B-MXP</u>	<u>2/24/19</u>			

	Kit Lot Number	Expiration		Kit Lot Number	Expiration
Amphetamine	<u>N/A</u>	<u>N/A</u>	Methadone	<u>N/A</u>	<u>N/A</u>
Barbiturates	<u>↓</u>	<u>↓</u>	Methamphetamine	<u>↓</u>	<u>↓</u>
Benzodiazepines	<u>ER 16934</u>	<u>5/19</u>	Opiates	<u>↓</u>	<u>↓</u>
Benzoylcegonine	<u>N/A</u>	<u>N/A</u>	Phencyclidine	<u>↓</u>	<u>↓</u>
Cannabinoids	<u>↓</u>	<u>↓</u>	Zolpidem	<u>↓</u>	<u>↓</u>
Carisoprodol	<u>↓</u>	<u>↓</u>	Oxycodone	<u>↓</u>	<u>↓</u>

Comments: verified lot 180924B-MXC for Benzodiazepines.
09/12/18

Batch: EIA-20180927B-AAJ2

Inventory # Exp.

AMP - n/a
BARB - ↓
BZ - 9 5119
BE - n/a
THC -
CARISO -
MTDN -
METH -
OPI -
PCP -
ZOL -
OXY -

PBS: 180824-PBS7 Exp. 2/29/19

Pipettes: 8932, 235D

Controls:

Blank: E32118 Exp. 1/1/18

	<u>Mixed</u>	<u>Exp.</u>	<u>Oxy</u>	<u>Exp.</u>
Neg:	180830B-MXH	2/24/19	n/a	n/a
Cal:	041618B-MXC	10/9/18	↓	↓
Pos:	180830B-MXP	2/24/19	↓	↓
TMB:	_____		↓	↓
STOP:	_____		↓	↓

Notes:

Verifying lot 180924B-MXC (exp. 11/30/18). assay 9/12/18

Agy

Thursday, September 27, 2018 12:09:28 PM

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Forensic Science Center Page 1 of 1

EIA_20180927B_AAJ2 PBS: 180824-PBS7 Pipettes: 235D, 8932

	ID	214
1	Blank-1	X
2	Blank-2	X
3	Negative-1	X
4	Negative-2	X
5	Calibrator-1	X
6	Calibrator-2	X
7	Positive-1	X
8	Positive-2	X
9	180924B-MXC_1	X
10	180924B-MXC_2	X
11	Positive-3	X

Sequence Verified *f* *SL*
9/27/18

AAJ

QC Validation criteria

Exp. Group Num 1

QC Validation criteria : Difference data

NC1>LPC1 --> TRUE

LPC1>PC1 --> TRUE

PC1>HPC1 --> TRUE

1 Strip method names

2 Sample ID 1

3 Difference data

4 Difference data - Mean

5 Difference data - Variation coefficient

6 b/b0

7 b/b0 - Mean

8 Cutoff results

	1	2	3	4	5	6	7	8
BZ A1	214	Blank-1	3.098	3.1965 ✓	4.3579 ✓	96.919	100 ✓	
B1	214	Blank-2	3.295			103.08		
C1	214	Negative-1	2.642	2.676	1.7968	82.653	83.717	
D1	214	Negative-2	2.71			84.78		
E1	214	Calibrator-1	1.904	1.912	0.59172	59.565	59.815	
F1	214	Calibrator-2	1.92			60.066		
G1	214	Positive-1	1.537	1.4635	7.1025	48.084	45.784	
H1	214	Positive-2	1.39			43.485		
A2	214	180924B-MXC_1	1.892	1.892		59.19	59.19	POS ✓
B2	214	180924B-MXC_2	1.96	1.96		61.317	61.317	neg ✓
C2	214	Positive-3	1.55	1.55		48.491	48.491	POS ✓

ATA-20180927⁷B-AAJ2
009 9127118

Clay