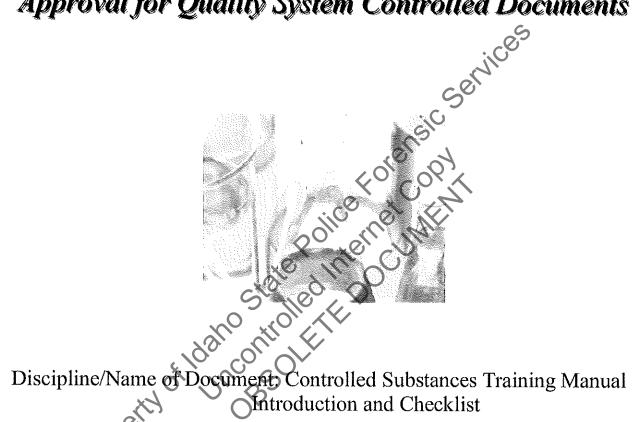
Idaho State Police Forensic Services

Approval for Quality System Controlled Documents



Introduction and Checklist

Revision Number: 5

Issue Date: 5/22/2009

APPROVED BY: Istain

Quality Manager

Controlled Substances Training Manual

1.0 Purpose

The following manual is to be used as a guide in training new Forensic Scientists in the analysis of controlled substances. It may be used in its entirety or for just the sections of interest, Each section is to be used with the corresponding analytical method (AM) found in the ISP Controlled Substances AM manual. Special thanks are given the Kansas Bureau of Investigations for their permission to use their manual as the basis for this manual.

2.0 Procedure

As each subsection is completed both the Forensic Scientist and the trainer will sign and date the checklist. Once all training is complete then the analyst will get a copy of the checklist and the original will go to the QA/QC manager to be kept with the analyst's other training records.

3.0 General Laboratory

- 3.1
- 3.2
- safety Manual
 Read and pass test of the safety manual
 Quality Manual
 Read and pass test of the quality manual
 Evidence Procedures
 Review evidence procedures
 checkout, proper 3.3 Review evidence procedures including, but not limited to, evidence receipt and
- Review Balcalsop, demonstrate competency of theory and use of the various 3.4 balances in the laboratory including but not limited to the operation of tare features and the monthly calibration check. Read section 28B, pg 533 through 540, of Analytical Chemistry, by Skoog/West/Holler, 6th edition.
- Review General drug AM. 3.5

Date of completion	Forensic Scientist
	Trainer

4.0 **Testimony Training**

4.1	Courtroom Decorum		
	Discuss appropriate eye contact, gestures, voice volume, and approach for visual		
	aides during testimony.		
	Describe proper attire for courtroom appearances.		
4.2	Discuss the ramifications of Daubert v. Merrell Dow Pharmaceutical and Frye v.		
	United States.		
	Discuss the factors that help assure a scientific testing procedure to be established as		
4.2	reliable. Observation		
4.3	Attend an actual trial for observation.		
	reliable. Observation Attend an actual trial for observation. Forensic Scientish		
	Date of completion Forensic Scientist		
	Trainer Background reading To include Idaho Code sections 37-2701 (n)(s) and 37-2707 d(27), "Drug Identification Bible, 2002", Pages 647-665.		
	Trainer		
	L. 192		
	60, 206,		
5.0 Marijuan	a City Co. Live		
5.1	Background reading		
	To include Idaho Code sections 37-2701 (n)(s) and 37-2707 d(27),		
	<u>= 1 </u>		
	Worksheets and reporting format.		
	MJ training.doc		
	TLC training.doc		
	Date of completion Forensic Scientist		
	Date of completion Forensic Scientist		
	Trainer		
	M O O B I I I I I I I I I I I I I I I I I		
Section	ns 57, 5.3, 5.4 and 5.5 are used with the Marijuana AM.		
5.2	5.2) Physical examination, AM section 5.0.0		
5.2.1	Microscopic examination of cystolithic and unicellular hairs, seed structure.		
5.2.2	Seed germination, AM section 9.0.0		

5.3 Duquenois Levine Trainer

Date of completion _____ Forensic Scientist

	AM section 7.0.0.	
	Date of completion	Forensic Scientist
		Trainer
5.4 5.4.1 5.4.2	Thin Layer Chromatography (TLC) Basic theory and AM section 6.0.0 Chloroform and Pet ether/ Ethyl ethe	
	Date of Completion	Forensic Scientist
		Trainer Sicology
5.5	Hashish and Pipes Order of analysis and reporting differ	
		Forencie Scientist Trainer
5.6	Competency test 100 % correct analysis of various pla	nt, and other, material.
~ (¹	100% correct answers on the writter The competency tests will be provide	n test. ed by the discipline leader.
Α,	Date of completion	Forensic Scientist
		Trainer

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5.7	Mock Court		
	Purpose, layout and critique.		
	Date of completion	Forensic Scientist	
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		Trainer	
		zoo : C. Services	
		wil ^c	
6.0 Solid Dos		COL	
6.1	Background reading The Idaho Code, all of section 37-2	700 : C1	
	Drug Identification Bible. 2000 ver	7700. <u>Sion or newer</u> . Applicable sections.	
		10 N	
		60,00%	
	Date of completion	Forensic Scientist	
		C COLLECTION	
	Q ^O	Trainer)	
	XO \		
	C*20.39	2700. Sion or newer. Applicable sections. Forensic Scientist Prainer Deter (GC/MS) utorial and schedules	
6.2	Gas Chromatograph Mass Spectror	neter (GC/MS)	
6.2.1	Hewlett Packard/Agilent GC/MS t	utorial	
6.2.2 6.2.3			
6.2.4		s system	
6.2.5	-	grams	
6.2.6	Read GC training.doc and MS train		
6.2.7	Review GC/MS AM. Review CTMAMPH training.doc		
6.2.8	Review CTMAMPH training.doc		
6.2.9	Review Cocaine training.doc		
	Date of completion	Forensic Scientist	

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Trainer

6.3 6.3.1 6.3.2 6.3.3 6.3.4	Fourier Transform Infrared Spectrometer Nicolet tutorial Nicolet Omni software Review maintenance procedures, schedules, and documentation Spectroscopy training.doc, IR training.doc, and the FTIR AM.		
	Date of completion	Forensic Scientist	
		Trainer	
6.4	Chemical color (spot) tests	:0	
6,4.1	Review <u>Clarke's Analysis of Drugs of</u>	and Poisons 3 rd edition, vol 1, chapter19.	
6.4.2	Spot tests training.doc		
6.4.3			
		X () ()	
	Date of completion	Forensic Scientist	
	Mushrooms Review Psilocyn/Psilocybin AM. Review CTMHAL.doc TLC analysis with T1 Date of completion	11/2/1/1/	
	No.	10°C).	
	N OF	Trainer	
	CYO CO		
6.8	Mushrooms	, *	
6.8.1	Review Psilocyn/Psilocybin AM.	Y	
6.8.2	Review CTMHAL.doc		
6.8.3	TLC analysis with T1		
	0, 11, 00		
	Date of completion	Forensic Scientist	
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	OPE	Trainer	
6,			
· ·	PH ICD 1 1 1 1		
6.9	Pills, LSD, and general unknowns		
6.9.1	Review references i.e. PDR, Logo, etc. DEA and Idaho code scheduling Review Extractions.doc, CTMHAL training.doc, LSD AM, General unknown		
6.9.2	-	training.doc, LSD Aivi, General unknown	
	AM.	Forensic Scientist	
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Trainer

Clandestine Laboratory Analysis (common)

6.10

5.10.1	Review analytical selection sequence.	
5.10.2	Phosphorous AM	
5.10.3	Iodine AM	
5.10.4	Pseudoephedrine and ephedrine extra	ctions and analytical procedures
5.10.5	Methamphetamine extraction and ana	lysis
5.11	Competency test 100% correct identification of controliquide, and or pills. Results will be at	Forensic Scientist Trainer lled substances from a variety of powders, tained veing all aspects of analysis including
6.12	at least one result from each instrume information, i.e. MS and FTIR. 100 % correct answers on written test The competency tests will be provided. Date of completion Mock court Purpose, layout, and critique	of by the discipline leader. Forensic Scientist Trainer
	Date of completion	Forensic Scientist
		Trainer

History for ISP Forensic Laboratory Training Manual

Revision #	Issue or review date	History	Author or Reviewer
2	6/4/03	Changed format on all sections	D.C. Sincerbeaux
3	1/13/06	Added 3.4 and changed 5.11	D.C. Sincerbeaux
4	5/9/07 added written	added 3.5, section 4 court tests to competency's; chan	testimony, reordered numbering, ged SOP to AM.
5	5/22/09	Added 3.4 and changed 5.11 added 3.5, section 4 court tests to competency's chan Dropped 5.8 and 6.13	D.C. Sincerbeaux
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