

CS TLC Bath & Visualization Reagent Preparation Log
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Instructions for Use

1. This form is to be used for reagent preparation records used in Controlled Substances, except for reagents which are recorded in the case file.
2. The Reagent name, Preparation Instructions and Chemical names (yellow highlighted areas) shall be reviewed prior to use.
3. The reviewer of the form shall be a supervisor or their designee. The reviewer will ensure that the current preparation instructions and QC requirements are recorded onto the form as required by Section procedures and accurately reflect the current version of the technical procedure manual.
4. The form shall be printed and batches of reagents recorded onto the bottom part of the form.
5. Preparation instructions may include "recipes" for different final volumes. Different final volumes not listed in the preparation instructions may only be made if allowed by the section procedures. The amounts used of each component shall be documented in the "Chemical" columns. It may be necessary to use two rows for these types of records.

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DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 1: General Drug Screening

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

9 parts Chloroform

1 part Methanol

Check Compounds: Cocaine and Heroin

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Lab	Date	Preparer's	Chloroform	Methanol	N/A	Volume	QC	Expiration
Lot #	Prepared	Initials	Manufacturer/Lot#	Manufacturer/Lot#	Manufacturer/Lot#	Made	Check	Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 3: General Drug Screening

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

100 parts Methanol

1.5 parts Ammonium Hydroxide

Check Compounds: Cocaine and Heroin

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Lab Lot #	Date Prepared	Preparer's Initials	Methanol Manufacturer/Lot#	Ammonium Hydroxide Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 5: (4% DEA) Marijuana / General Drug Screening

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

24 parts Toluene

1 part Diethylamine

Check Compound: Cannabis Extract

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Lab Lot #	Date Prepared	Preparer's Initials	Toluene Manufacturer/Lot#	Diethylamine Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 6: Steroids

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

80 parts Chloroform

20 parts Ethyl Acetate

Check Compounds: Testosterone and another steroid (e.g., Testosterone Cypionate)

Lab	Date	Preparer's	Chloroform	Ethyl Acetate	N/A	Volume	QC	Expiration
Lot #	Prepared	Initials	Manufacturer/Lot#	Manufacturer/Lot#	Manufacturer/Lot#	Made	Check	Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 7: Barbiturates

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

100% Isopropyl Ether

This reagent does not require a QC check

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Lab Lot #	Date Prepared	Preparer's Initials	Isopropyl Ether Manufacturer/Lot#	N/A Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: TLC 8: LSD / LAMPA

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

2 parts Acetone

1 part Chloroform

Check Compounds: LSD and LAMPA

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Lab Lot #	Date Prepared	Preparer's Initials	Acetone Manufacturer/Lot#	Chloroform Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: TLC 9: MDMA / Methamphetamine

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

75 parts Cyclohexane

15 parts Toluene

10 parts Diethylamine

Check Compounds: MDMA and Methamphetamine

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Lab Lot #	Date Prepared	Preparer's Initials	Cyclohexane Manufacturer/Lot#	Toluene Manufacturer/Lot#	Diethylamine Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 10: GHB / GBL / 1,4-Butanediol

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

100% Ethyl Acetate

This reagent does not require a QC check

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Lab Lot #	Date Prepared	Preparer's Initials	Ethyl Acetate Manufacturer/Lot#	N/A Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: TLC 11: Vitamins

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

100% Deionized Water

This reagent does not require a QC check

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Lab Lot #	Date Prepared	Preparer's Initials	DI Water Manufacturer/Lot#	N/A Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: TLC 14: Salvinorin A

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

1 part Ethyl Acetate

1 part Hexane

Check Compound: Salvinorin A

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Lab Lot #	Date Prepared	Preparer's Initials	Ethyl Acetate Manufacturer/Lot#	Hexane Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Ceric Sulfate

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

5 grams Ceric Sulfate in 500 mL water and 14 mL conc Sulfuric Acid

Check Compound: Caffeine

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Lab Lot #	Date Prepared	Preparer's Initials	Ceric Sulfate Manufacturer/Lot#	Conc. Sulfuric Acid Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Dragendorff

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

1.3 grams Bismuth Subnitrate in 60 mL water with 15 mL Glacial Acetic Acid. Add this to 12 grams KI in 30 mL of water.

Dilute with 100 mL of water and 25 mL Glacial Acetic Acid.

Check Compound: MDMA or Methamphetamine COPYRIGHT © 2020

Lab Lot #	Date Prepared	Preparer's Initials	Bismuth subnitrate Manufacturer/Lot#	Glacial Acetic Acid Manufacturer/Lot#	Potassium Iodide Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Ehrlich's or p-Dimethylaminobenzaldehyde (p-DMAB)

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

2 grams of p-DMAB in 50 mL 95% Ethanol and 50 mL 37% HCl

Check Compound: LSD

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Lab Lot #	Date Prepared	Preparer's Initials	p-DMAB Manufacturer/Lot#	Ethanol Manufacturer/Lot#	Conc. HCl Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: Fast Blue B

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

Approximately 0.05% solution of Fast Blue B salt in deionized water.

Check Compound: Cannabis Extract

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Lab Lot #	Date Prepared	Preparer's Initials	Fast Blue B Manufacturer/Lot#	N/A Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

DEPARTMENT OF FORENSIC SCIENCE REAGENT PREPARATION LOG

Reagent: Furfuraldehyde and HCl

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials

10% solution of Furfuraldehyde in Ethanol. Overspray with conc. HCl.

Check Compound: Meprobamate

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Lab	Date	Preparer's	Furfuraldehyde	Ethanol	N/A	Volume	QC	Expiration
Lot #	Prepared	Initials	Manufacturer/Lot#	Manufacturer/Lot#	Manufacturer/Lot#	Made	Check	Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Iodoplatinate

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

5 mL of 10% Platinic Chloride aqueous solution and 10 grams of KI in 500 mL of water

OR 1 gram of Platinic Chloride and 10 grams of KI in 500 mL of water

Check Compound: Cocaine

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Lab Lot #	Date Prepared	Preparer's Initials	Platinic Chloride Manufacturer/Lot#	Potassium Iodide Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Iodoplatinate acidified

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

5 mL of 10% Platinic Chloride aqueous solution and 10 grams of KI in 500 mL of water

OR 1 gram of Platinic Chloride and 10 grams of KI in 500 mL of water

Acidified: Either overspray the plate with 6N HCl or prepare stock solution with approximately 5% HCl

Check Compound: Cocaine

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Lab Lot #	Date Prepared	Preparer's Initials	Platinic Chloride Manufacturer/Lot#	Potassium Iodide Manufacturer/Lot#	HCl Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Mercuric Sulfate

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

Suspend 5 grams HgO in 100 mL of water. Add 20 mL conc. Sulfuric Acid. Cool, dilute and 250 mL of water

Check Compound: Phenobarbital

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Lab Lot #	Date Prepared	Preparer's Initials	Mercuric Oxide Manufacturer/Lot#	Conc. Sulfuric Acid Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Ninhydrin

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

Add 0.5 gram of Ninhydrin to 10 mL conc HCl. Dilute to 100 mL with Acetone

Check Compound: Cathinone and/or Cathine COPYRIGHT © 2020

Lab Lot #	Date Prepared	Preparer's Initials	Ninhydrin Manufacturer/Lot#	HCl Manufacturer/Lot#	Acetone Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Sulfuric Acid/Ethanol

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

Add gradually 10 mL of conc Sulfuric Acid to 90 mL of Ethanol

Check Compound: Testosterone, Testosterone Cypionate, or another steroid

Lab Lot #	Date Prepared	Preparer's Initials	Sulfuric Acid Manufacturer/Lot#	Ethanol Manufacturer/Lot#	N/A Manufacturer/Lot#	Volume Made	QC Check	Expiration Date

**DEPARTMENT OF FORENSIC SCIENCE
REAGENT PREPARATION LOG**

Reagent: Vanillin Reagent for Salvinorin A

Preparation Instructions: (Use additional sheets if needed)

Reviewer/Date&Initials _____

1 gram of Vanillin with 50 mL of anhydrous Ethanol and 0.3 mL conc Sulfuric Acid

Check Compound: Salvinorin A

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Lab Lot #	Date Prepared	Preparer's Initials	Vanillin Manufacturer/Lot#	Ethanol Manufacturer/Lot#	Conc. Sulfuric Acid Manufacturer/Lot#	Volume Made	QC Check	Expiration Date