

Idaho State Police

Forensic Services

Approval for Quality System Controlled Documents

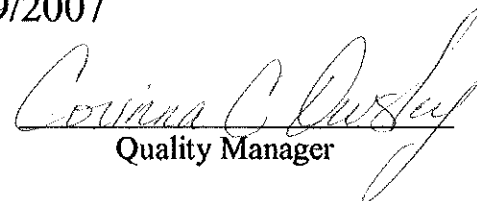


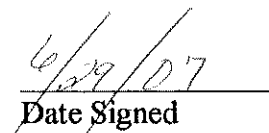
Discipline/Name of Document: Toxicology Work Instructions
3.10.2 – Extraction and Quantitation of Methamphetamine and Amphetamine from Blood
Employing the Bond Elut Certify™ Extraction Column

Revision Number: 0

Issue Date: 6/29/2007

APPROVED BY:


Quality Manager


Date Signed

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WORK INSTRUCTIONS

3.10.2 Amphetamine and Methamphetamine in Blood Varian Bond Elute Certify® SPE Cartridge

QUALITY ASSURANCE MATERIAL

Working Drug Standard Solutions

Standards for the preparation of calibrators and controls must be obtained through different vendors. Working drug standard solutions are stable for 6 months when stored at 4°C.

10ng/μL

Add 100.0μL each Amphetamine and Methamphetamine Stock Solution to ≈9mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

1ng/μL

Add 1.0mL of 10ng/μL working drug solution to ≈5mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

Calibrator Preparation

Add the volume of working Amphetamine-Methamphetamine mixed standard to appropriate tube as indicated below.

Level	ng/mL	Working Solution (ng/μL)	Volume to add (μL)
1	25	1	50
2	50	1	100
3	100	10	20
4	250	10	50
5	500	10	100

Spiked Positive Control Preparation

Add the volume of working Amphetamine-Methamphetamine mixed standard to appropriate tube as indicated below.

ng/mL	Working Solution (ng/μL)	Volume to add (μL)
75	10	15
300	10	60

10ng/μL Working Internal Standard Solution

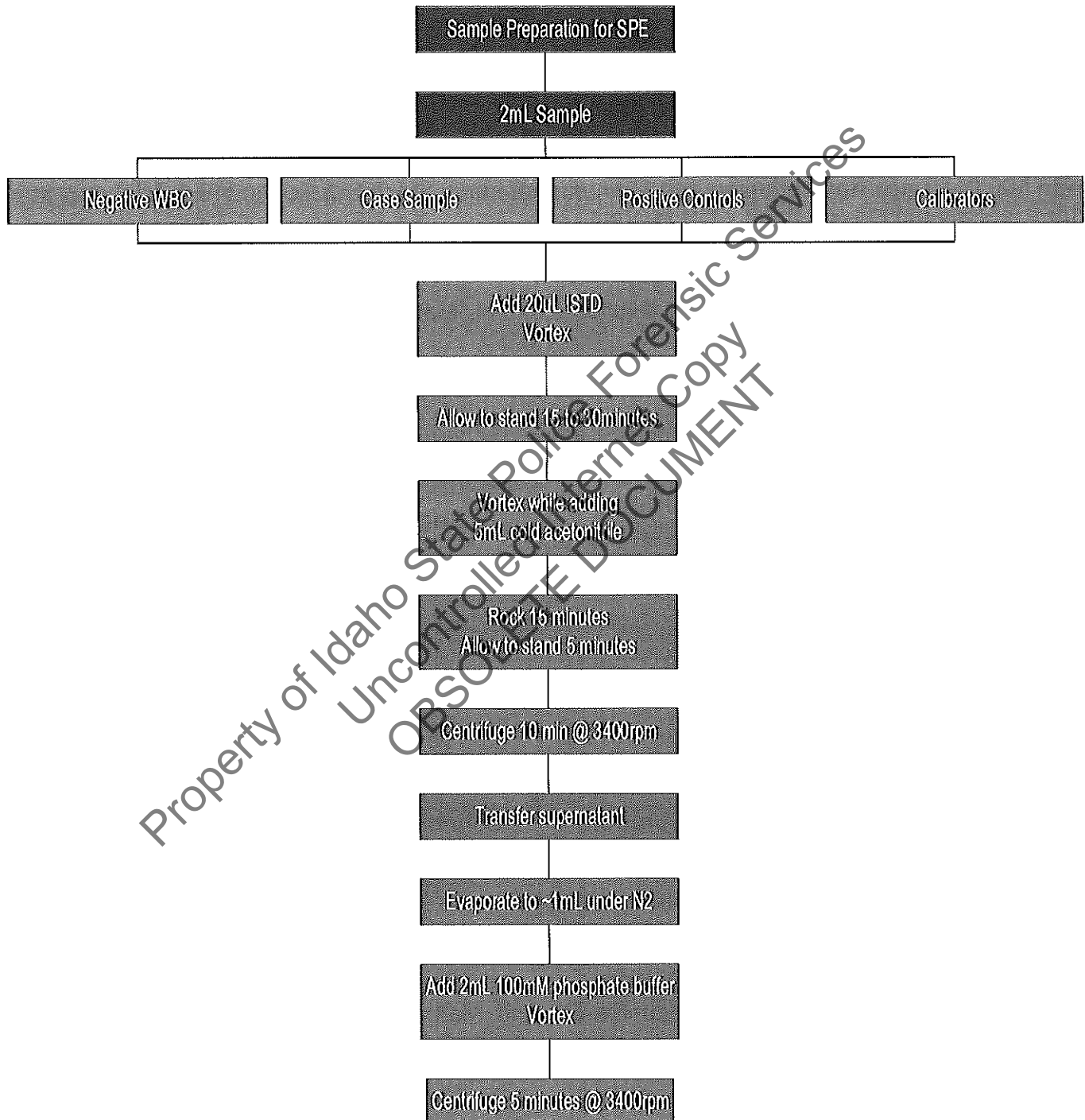
Add 100.0μL each 1mg/mL Amphetamine-D8 and Methamphetamine-D8 Stock Solution to ≈9mL Methanol in a 10mL volumetric class A flask. QS to 10mL. Solution is stable for 6 months when stored at 4°C.

Whole Blood Positive Control

Control containing Amphetamine and Methamphetamine each at a specified target concentration. Refer to package insert for verified value and expected range.

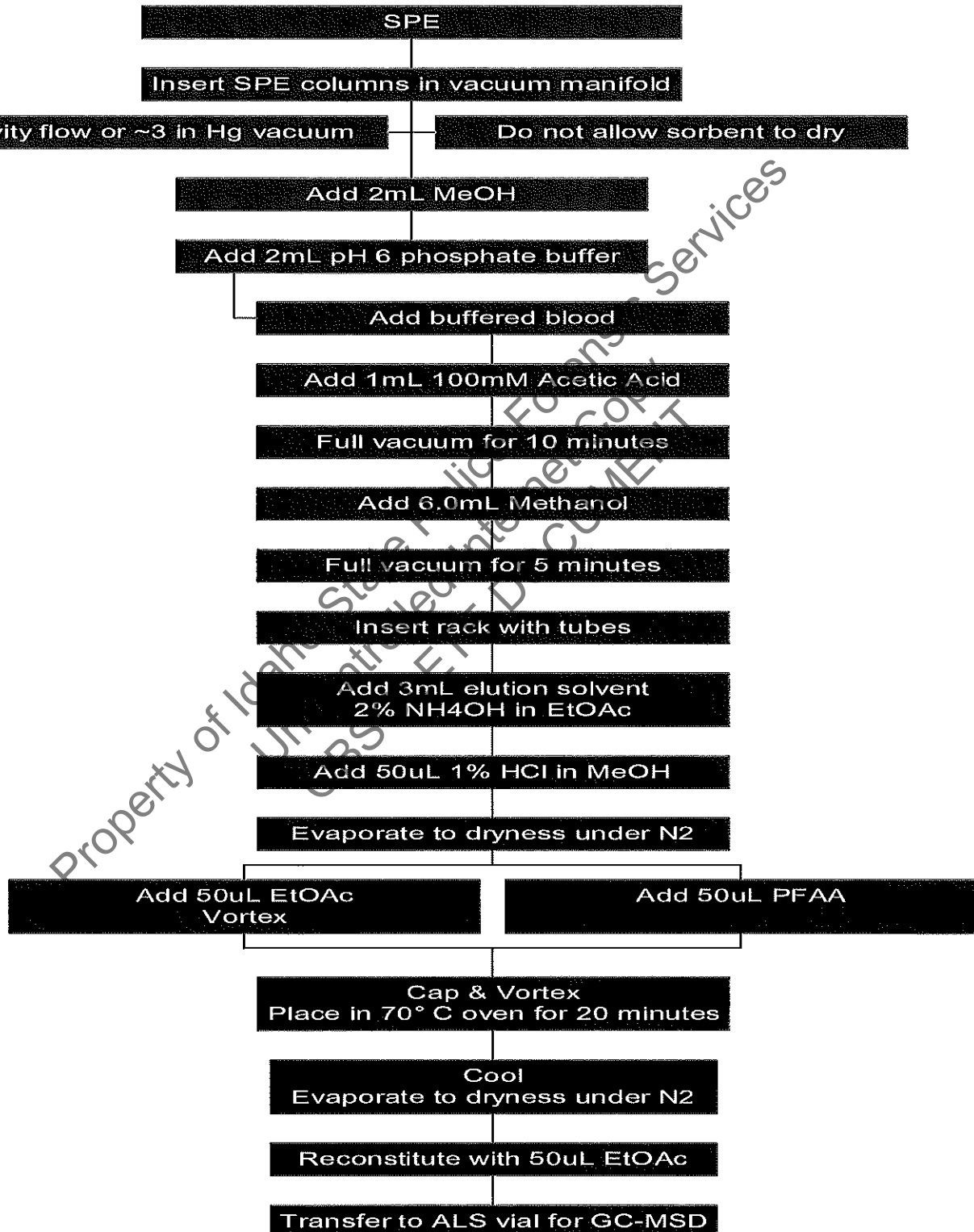
BENCH METHOD

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