

## WORK INSTRUCTIONS

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

#### QUALITY ASSURANCE MATERIAL

##### Working Reference Material Solutions

Corresponding calibrator and control reference materials must be obtained from different vendors, or be from different lot numbers if suitable second vendors are not available. Working reference material solutions are stable for 6 months when stored under refrigeration.

##### **10ng/μL**

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

##### **1ng/μL**

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

##### Calibrator Preparation

Add the volume of working Amphetamine-Methamphetamine mixed reference material 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 reference material 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

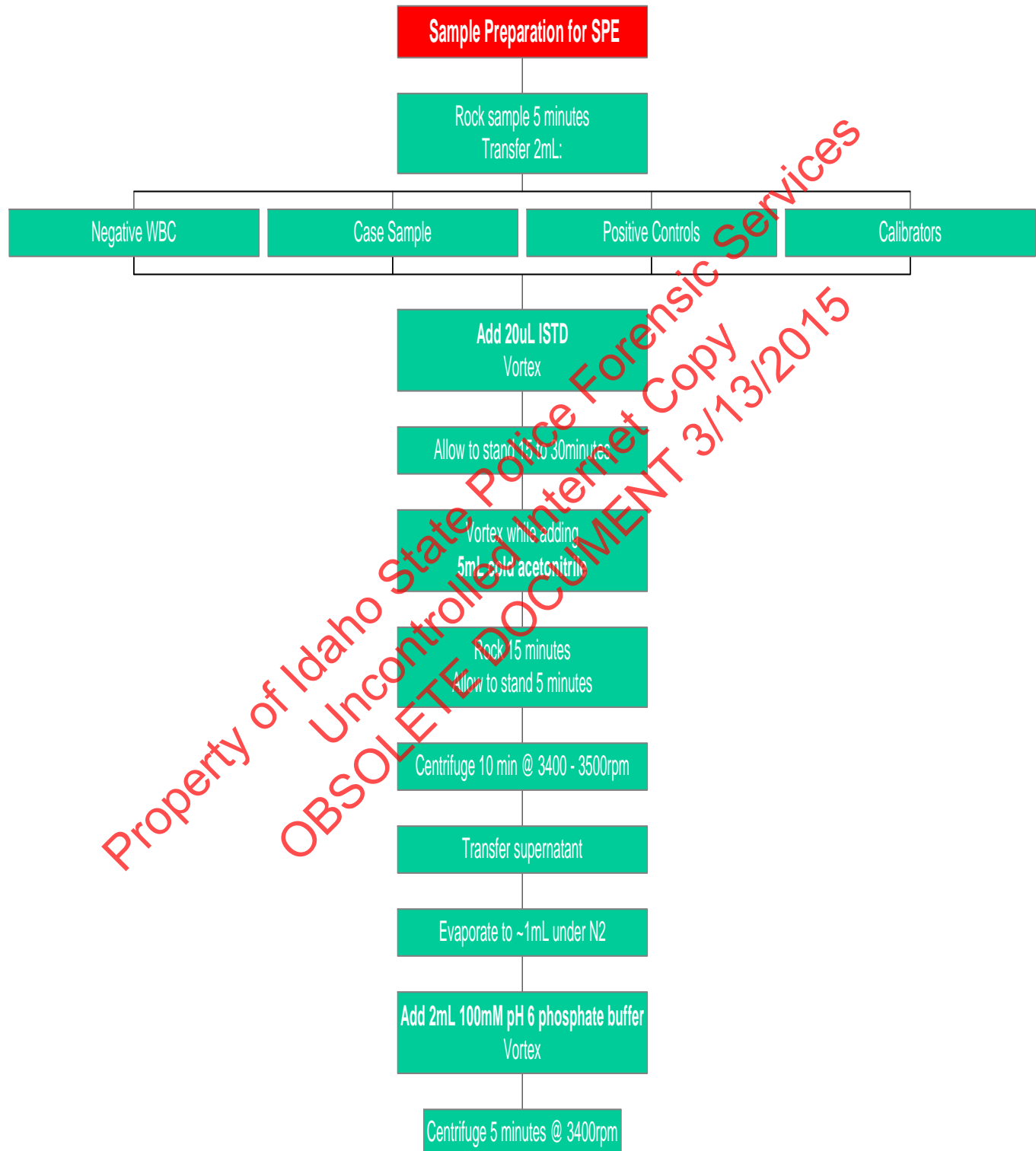
Add 100.0μL each 1mg/mL Amphetamine-D8 and Methamphetamine-D8 Stock Solution to  $\approx$ 9mL Methanol in a 10mL volumetric class A flask. QS to 10mL. Solution is stable for 6 months when stored under refrigeration.

##### 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.

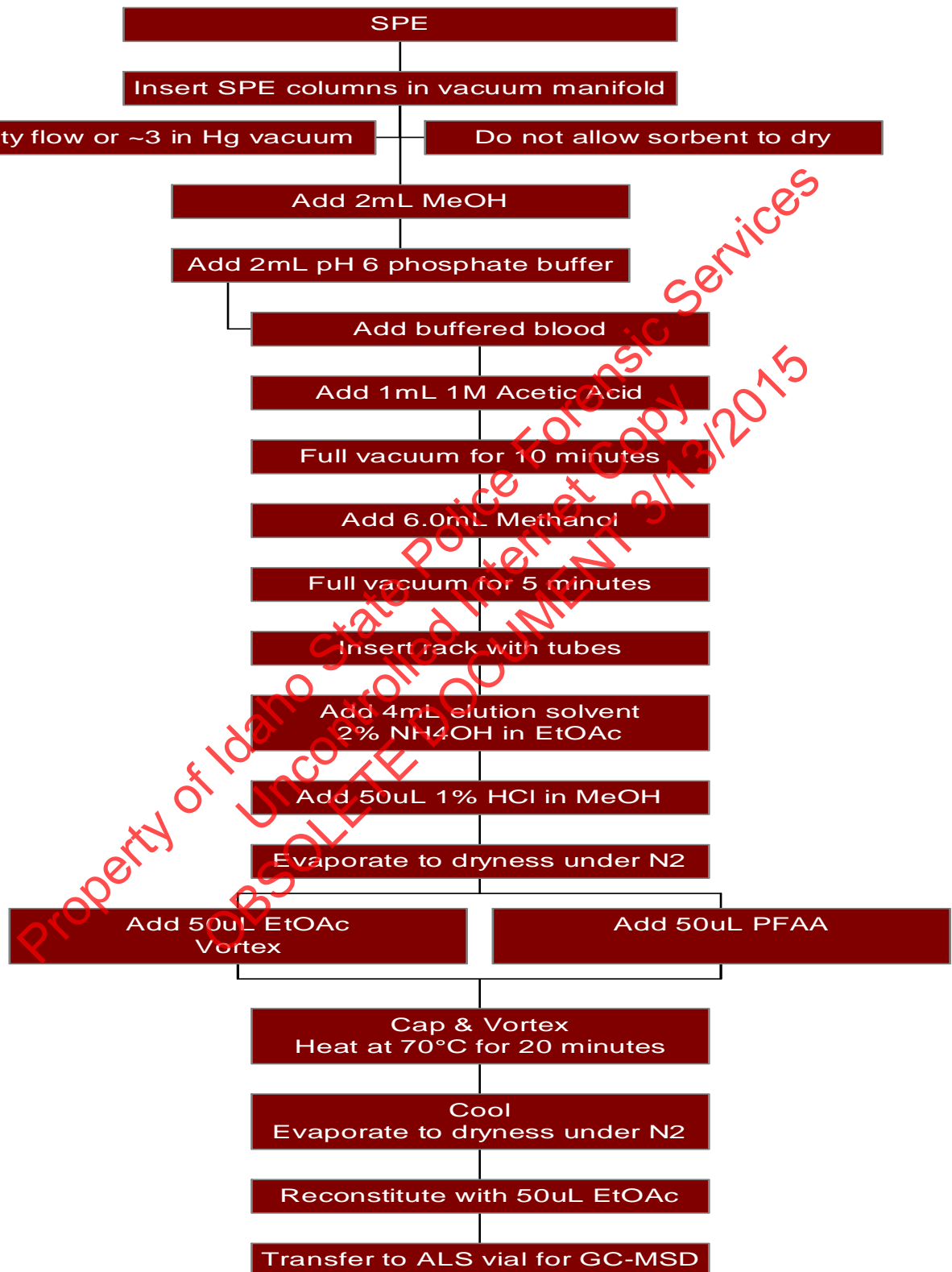
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#### *Revision History*

Revision No.	Issue Date	Revision/Comments
0	06-29-2007	Original Issue
1	03/07/2011	Clarified schemes, updated language

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