

WORK INSTRUCTIONS

3.10.4 Cocaine and Cocaine Metabolites in Blood UCT 200 mg CLEAN SCREEN® DAU Extraction Column

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 1mg/mL Benzoyllecgonine, Cocaine and Cocaethylene (optional) Stock Solution to ≈9mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

1ng/μL

Add 1.0mL 10ng/μL working solution to ≈8mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

Calibrator Preparation

Add the volume of working Benzoyllecgonine, Cocaine and Cocaethylene (optional) mixed RM to appropriate tube as indicated below.

Level	ng/mL	Working Solution (ng/μL)	Volume to add (μL)
1	25	1	25
2	50	1	50
3	100	1	100
4	250	10	25
5	500	10	50
6	1000	10	100

Spiked Positive Control Preparation

Add the volume of working Benzoyllecgonine, Cocaine and Cocaethylene (optional) mixed RM to appropriate tube as indicated below.

ng/mL	Working Solution (ng/μL)	Volume to add (μL)
75	1	75
750	10	75

1ng/μL Working Internal Standard Solution

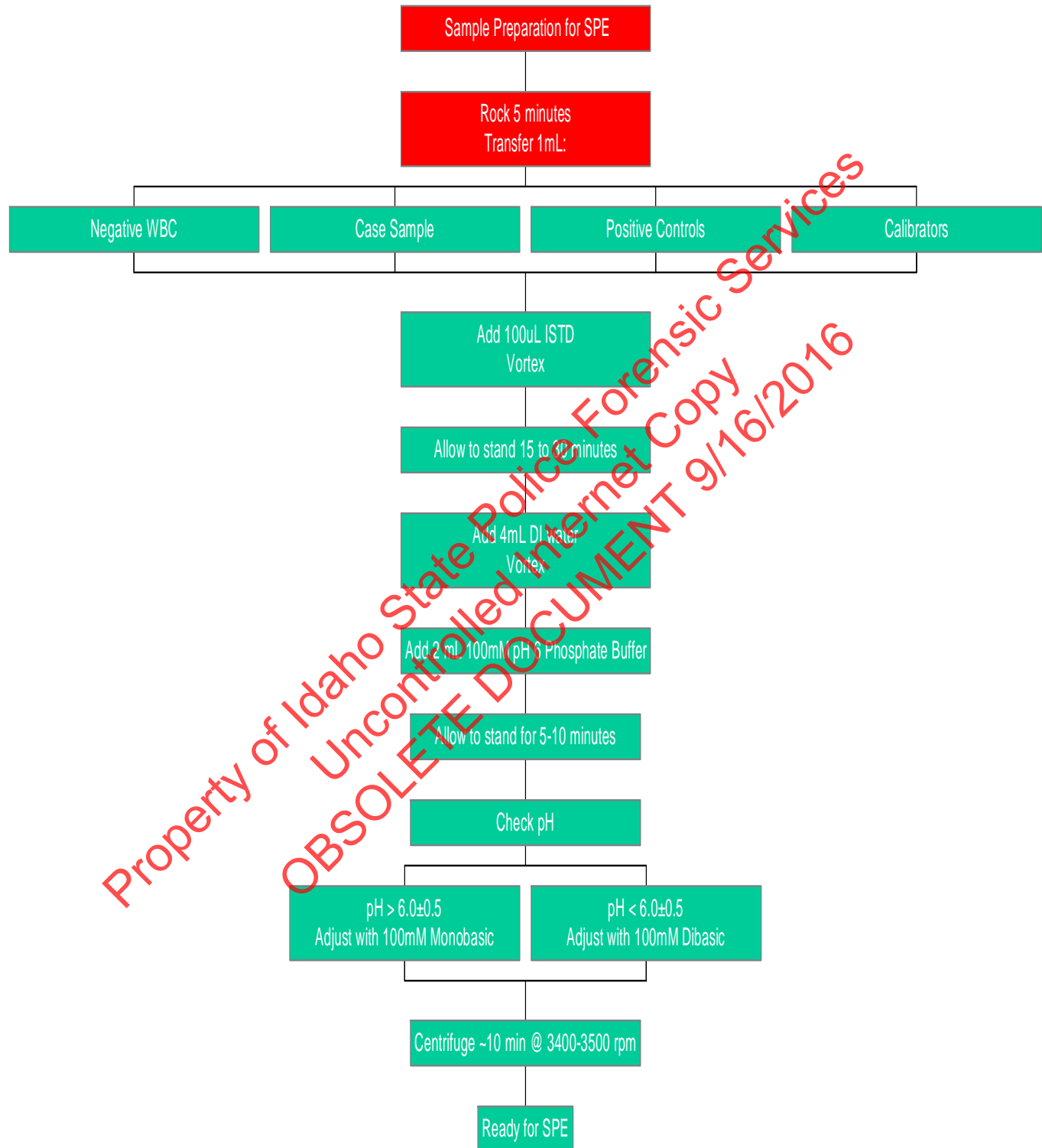
Add 100.0μL each 100μg/mL (100ng/μL) Stock Solution of Benzoyllecgonine-D3 or -D6, Cocaine-D3 and Cocaethylene-D3 (add if included above) to ≈9mL Methanol in a 10mL volumetric class A flask. QS to 10mL. *Solution is stable for 6 months when stored under refrigeration.*

Optional: Commercial Positive Control

Control must contain a minimum of Benzoyllecgonine and Cocaine each at a target concentration of 100ng/mL. Refer to package insert for verified value and expected range.

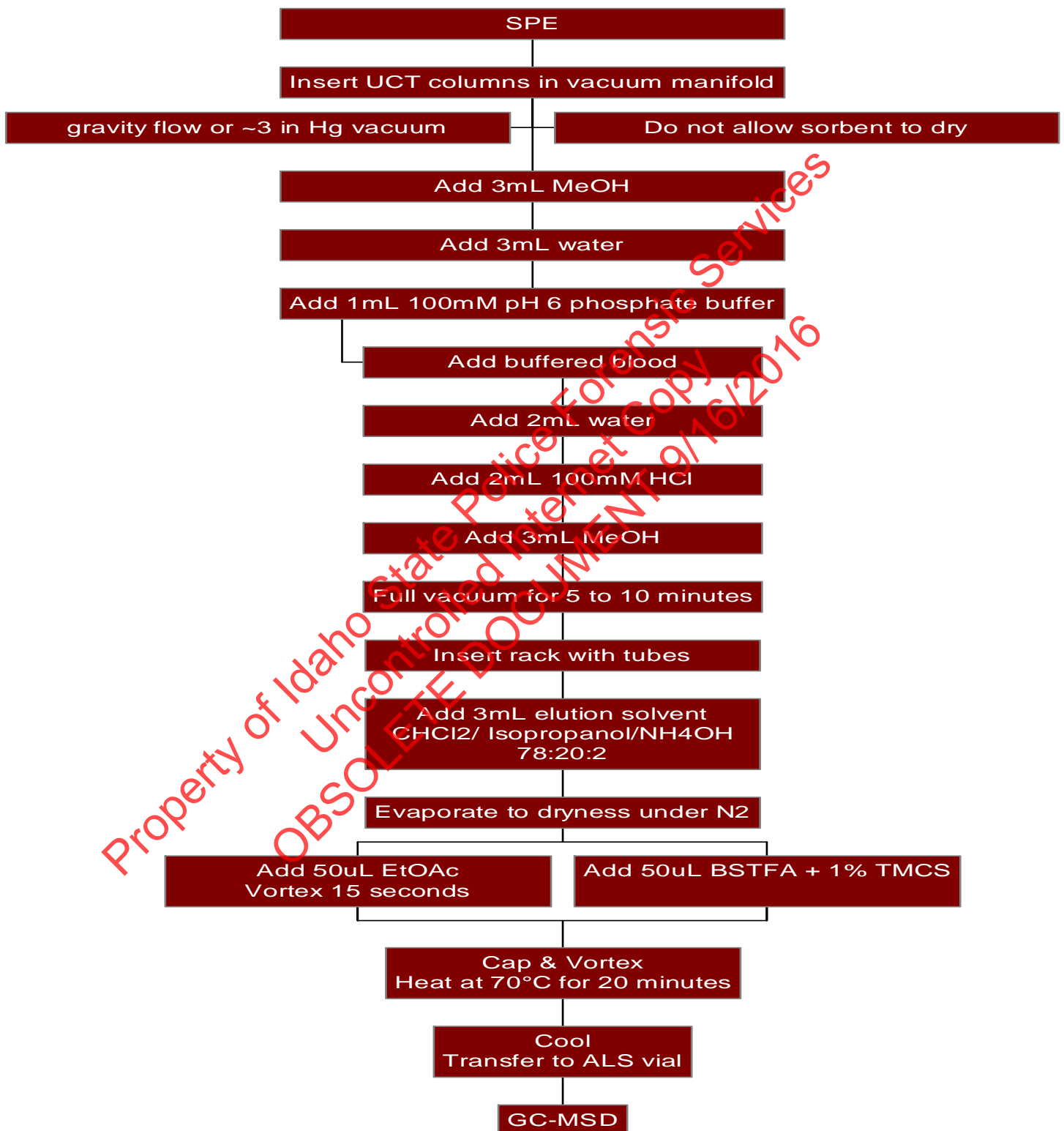
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Revision History

Revision No.	Issue Date	Revision/Comments
0	06-29-2007	Original Issue
1	03/07/2011	Clarified schemes, updated language
2	01/07/2013	Update flow chart to reflect changes in method.
3	03/13/2015	Minor changes to mirror method language.

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