

WORK INSTRUCTIONS

3.10.1 11-nor- Δ^9 -THC-9-COOH (c-THC) in Blood UCT 200 mg CLEAN SCREEN® THC Extraction Column

QUALITY ASSURANCE MATERIAL

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.

Calibrator Preparation

1ng/ μ L Working Calibration Solution

Add 10.0 μ L 1mg/mL c-THC stock solution to \approx 9mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

0.1ng/ μ L Working Calibration Solution

Add 1.0mL 1ng/ μ L working calibration solution to \approx 5mL Methanol in a 10mL volumetric class A flask. QS to 10mL. Add the volume of working mixed standard to appropriate tube as indicated below.

Level	ng/mL	Working Solution (ng/ μ L)	Volume to add (μ L)
1	2.5	0.1	25
2	5	0.1	50
3	10	0.1	100
4	25	1.0	25
5	50	1.0	50
6	100	1.0	100

Positive Control Preparation

1.0ng/ μ L Working Control Solution

Add 100.0 μ L 100 μ g/mL c-THC stock solution to \approx 9mL Methanol in a 10mL volumetric class A flask. QS to 10mL.

0.1ng/ μ L Working Control Solution

Add 1.0mL 1ng/ μ L working control solution to \approx 5mL Methanol in a 10mL volumetric class A flask. QS to 10mL. Add the volume of working mixed standard to appropriate tube as indicated below.

ng/mL	Working Solution (ng/ μ L)	Volume to add (μ L)
6	0.1	60
60	1.0	60

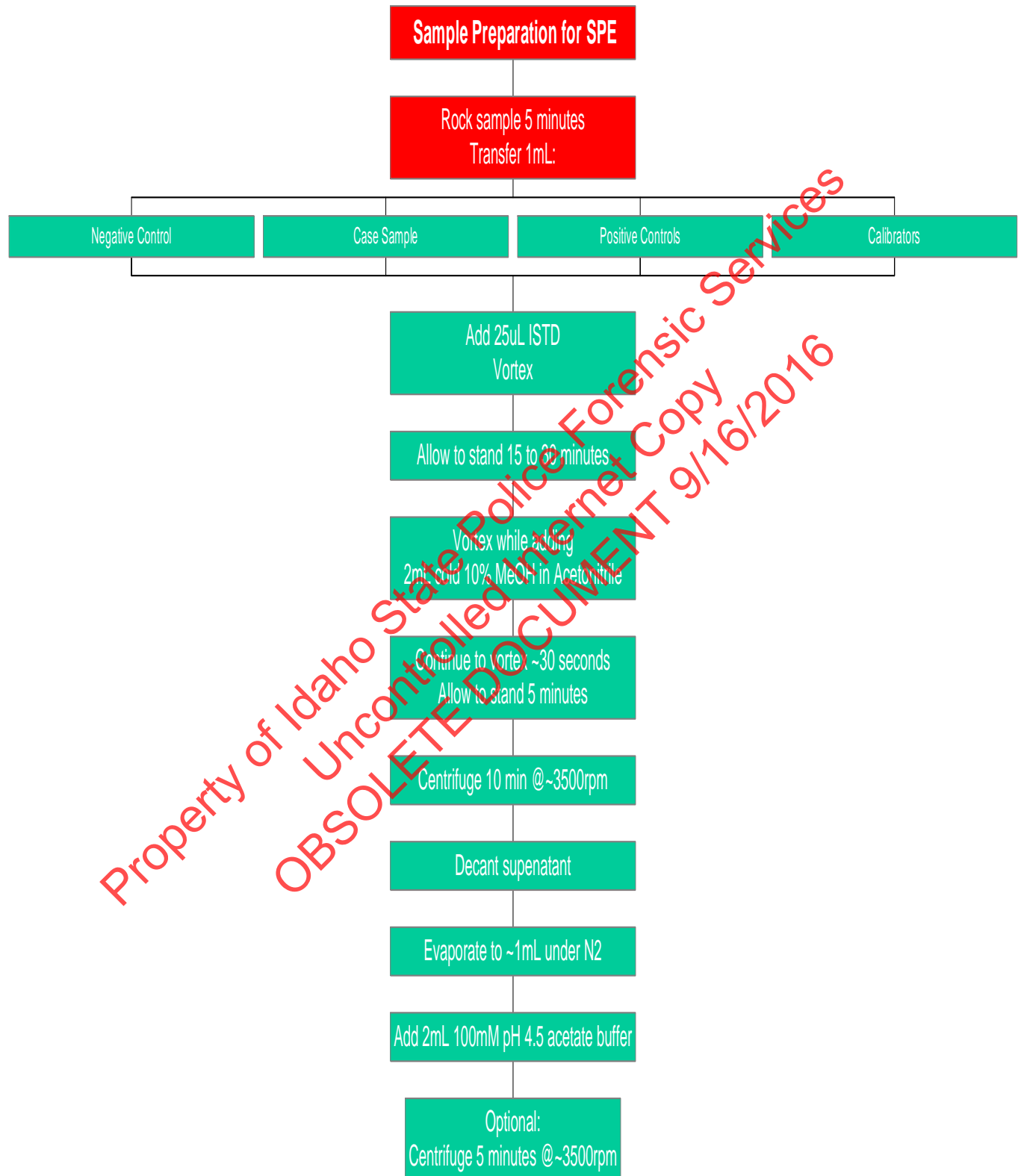
Internal Standard Preparation

1.0ng/ μ L Working Internal Standard Solution

Add 100.0 μ L 100 μ g/mL c-THC 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.

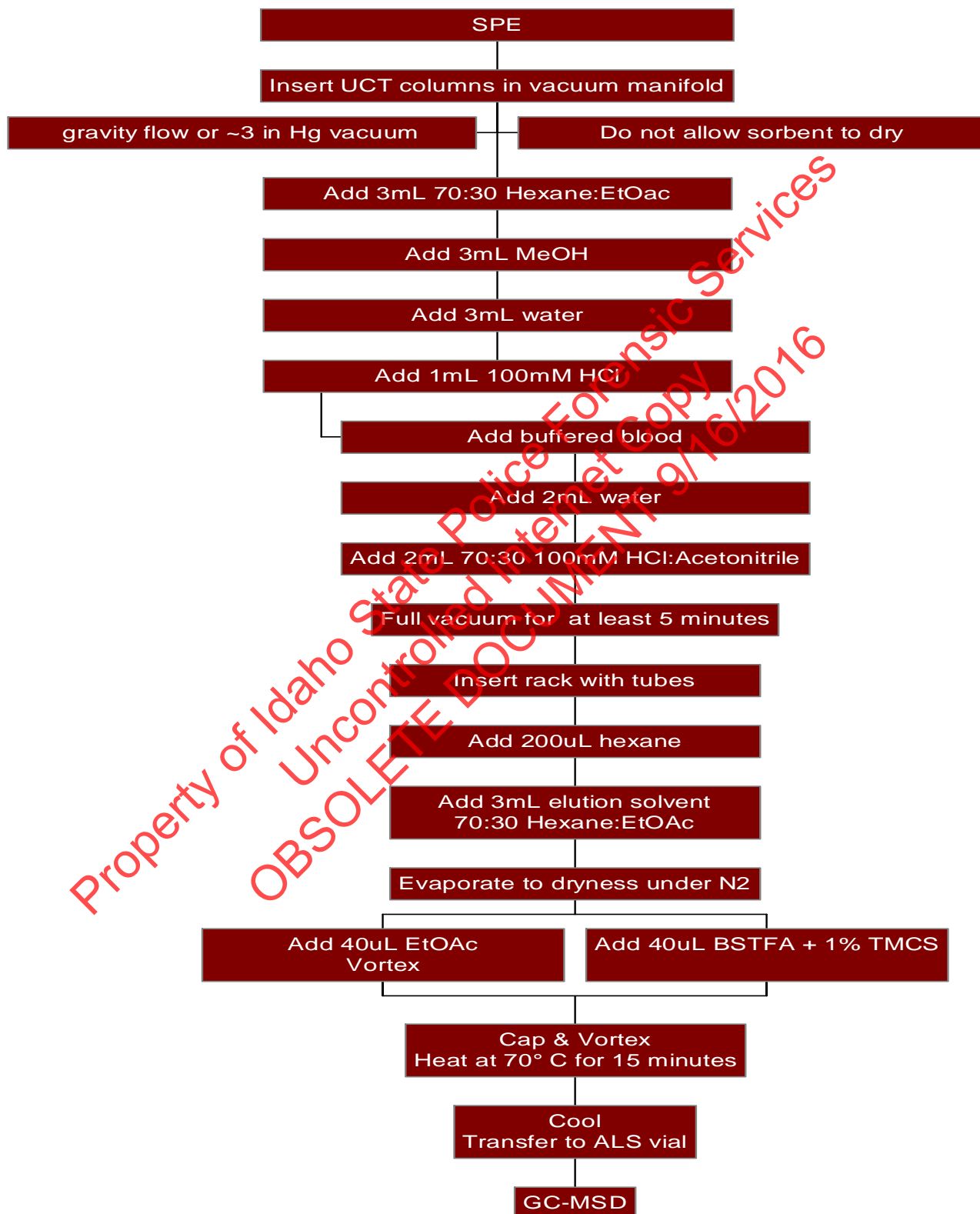
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Revision History

Revision No.	Issue Date	Revision/Comments
0	06-29-2007	Original Issue
1	03-07-2011	Clarified schemes, updated language
2	05-17-2013	Removed references to THC, updated centrifuge time on optional centrifuge from 3400 to 3500 to match method.
3	03-13-2015	Clarified that cold 10% methanol in acetonitrile is to be used for protein precipitation. Clarified that vacuum is to applied to SPE columns for at least 5 minutes, in keeping with the wording in the analytical method. Changed format of dates in Revision History section to be consistent.

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