

WORK INSTRUCTIONS

3.10.1 Δ^9 -Tetrahydrocannabinol (Δ^9 -THC) and 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 each 1mg/mL c-THC and Δ^9 -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 each 100 μ g/mL c-THC and Δ^9 -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 |

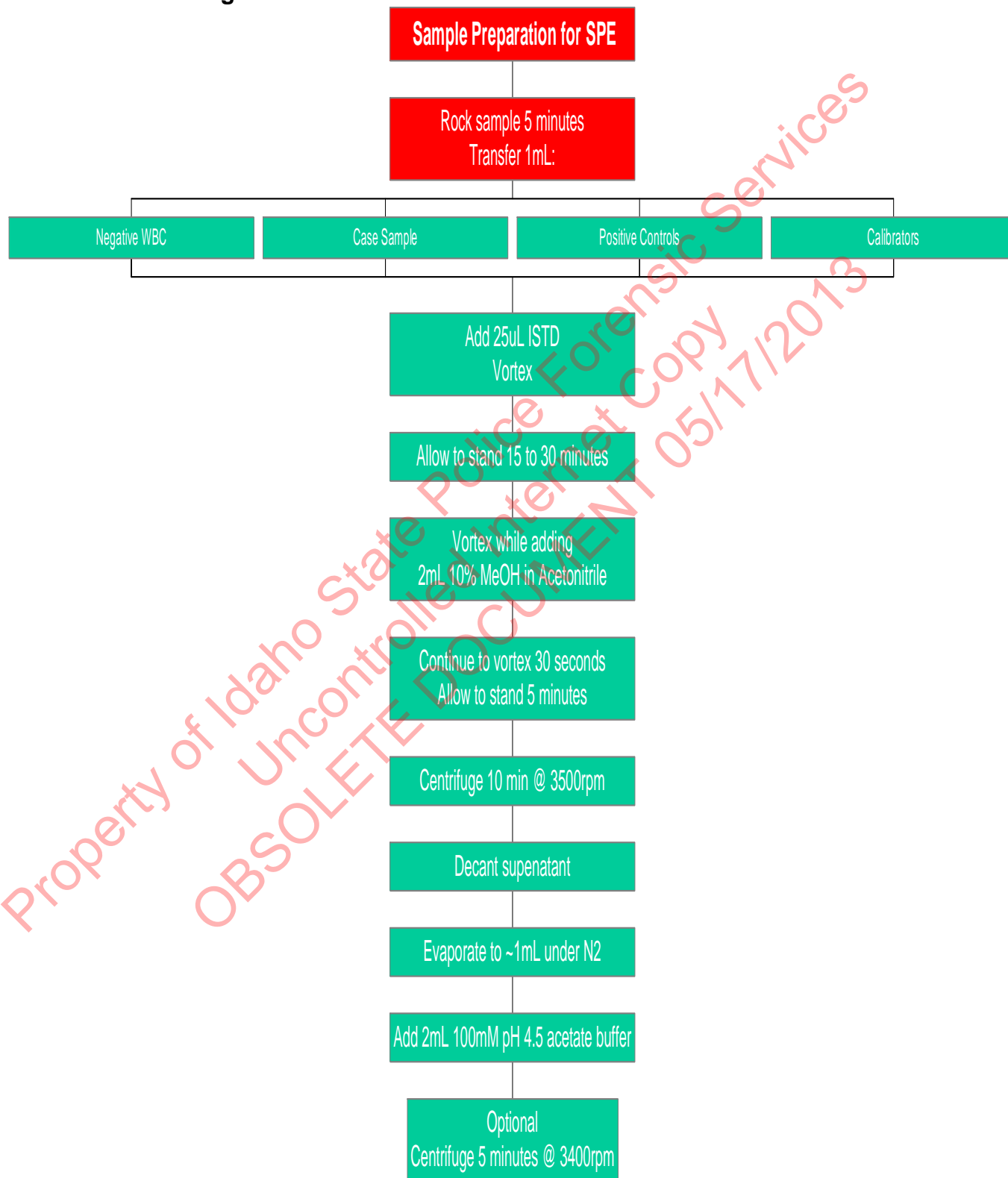
Internal Standard Preparation

1.0ng/ μ L Working Internal Standard Solution

Add 100.0 μ L each 100 μ g/mL c-THC and Δ^9 -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.

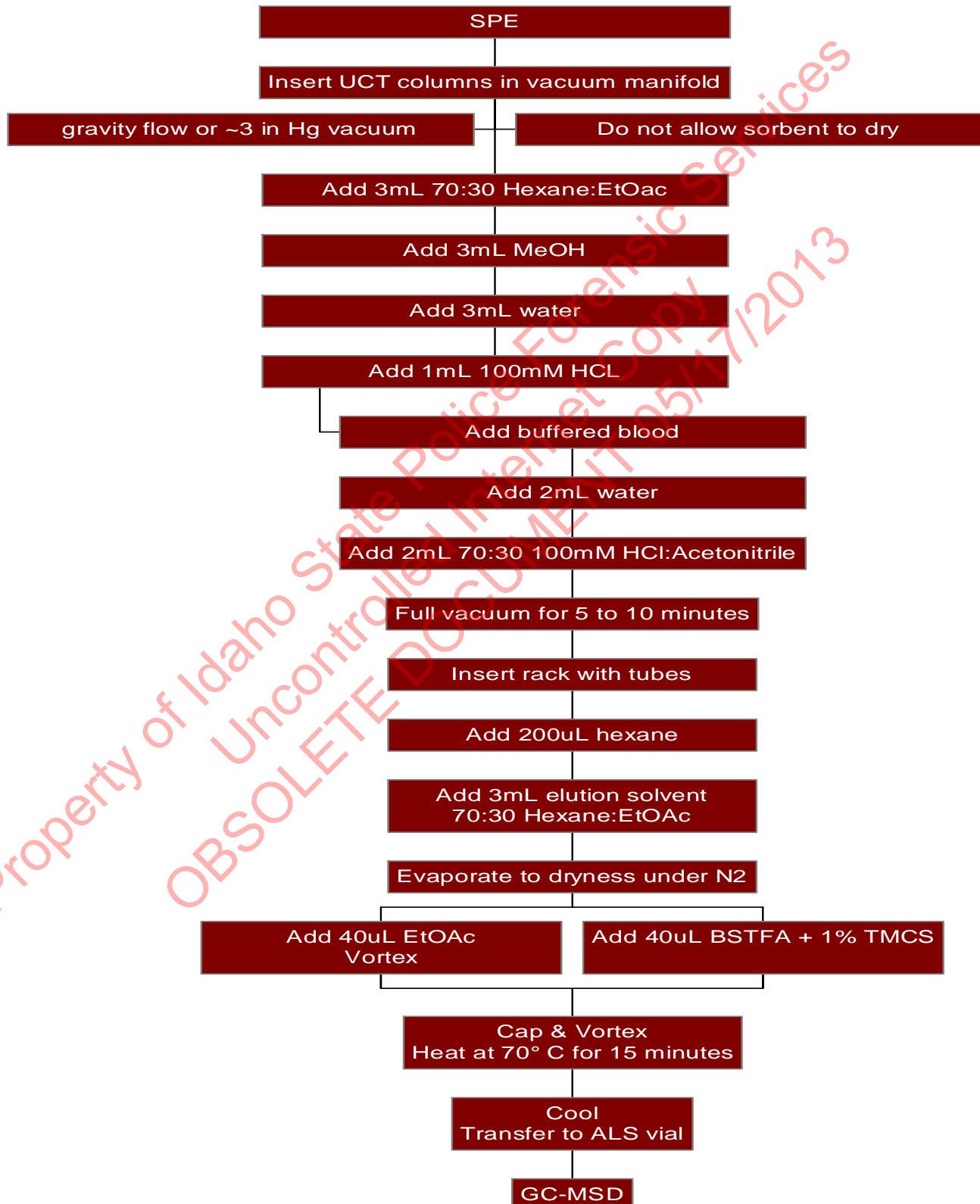
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Revision History

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