

Idaho State Police

Forensic Services

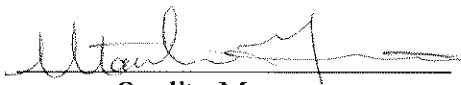
Approval for Quality System Controlled Documents



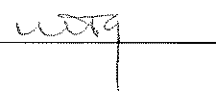
Discipline/Name of Document: Toxicology Work Instructions
2.4.3 Qualitative Confirmation of Benzodiazepines in Urine

Revision Number: 1

Issue Date: 3/7/2011

APPROVED BY: 
Quality Manager

3/7/2011
Date Signed

Checklist Submitted and Checked 

WORK INSTRUCTIONS

2.4.3 Qualitative Confirmation of Benzodiazepines in Urine

REFERENCE MATERIAL

Benzodiazepines

Stock Solutions

1 mg/mL single component and 250µg/mL multicomponent benzodiazepine class reference solutions.

Working Control Solution (10ng/µL)

A minimum of two benzodiazepine class compounds must be included in the control solution. One of these compounds must form a TMS derivative.

Add 100µL each 1mg/mL or 400µL 250µg/mL Stock Solution to \approx 9mL MeOH in 10mL ball flask. Bring up to volume with MeOH. Solution is stable for one-year when stored under refrigeration.

Conjugated Control

Stock Solution

1 mg/mL Oxazepam Glucuronide

Morphine Glucuronide may be used if Oxazepam Glucuronide is not available.

Working Glucuronide Solution (10ng/µL)

Add 100µL Stock Solution to 10mL MeOH. Solution is stable for one year when stored under refrigeration.

Internal Standard

Stock Solution

1mg/mL Prazepam

Working Internal Standard Solution

Add 100µL Stock Solution to \approx 9mL MeOH in 10mL ball flask. Bring up to volume with MeOH. Solution is stable for one year when stored under refrigeration.

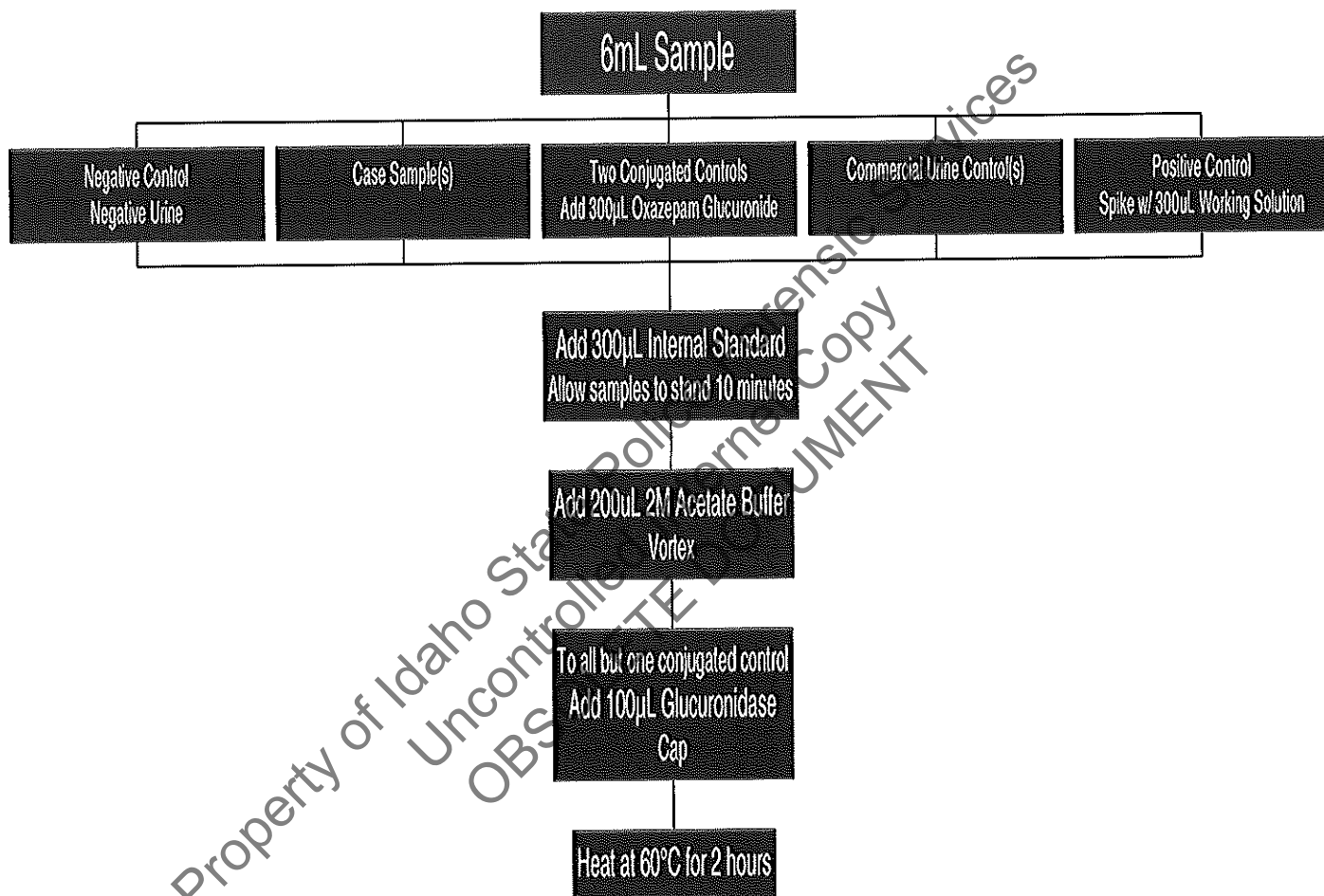
COMMENTS

This method has instructions for the preparation of both an underivatized and a TMS derivatized extract. The analyst has the option of preparing either or both of these extracts.

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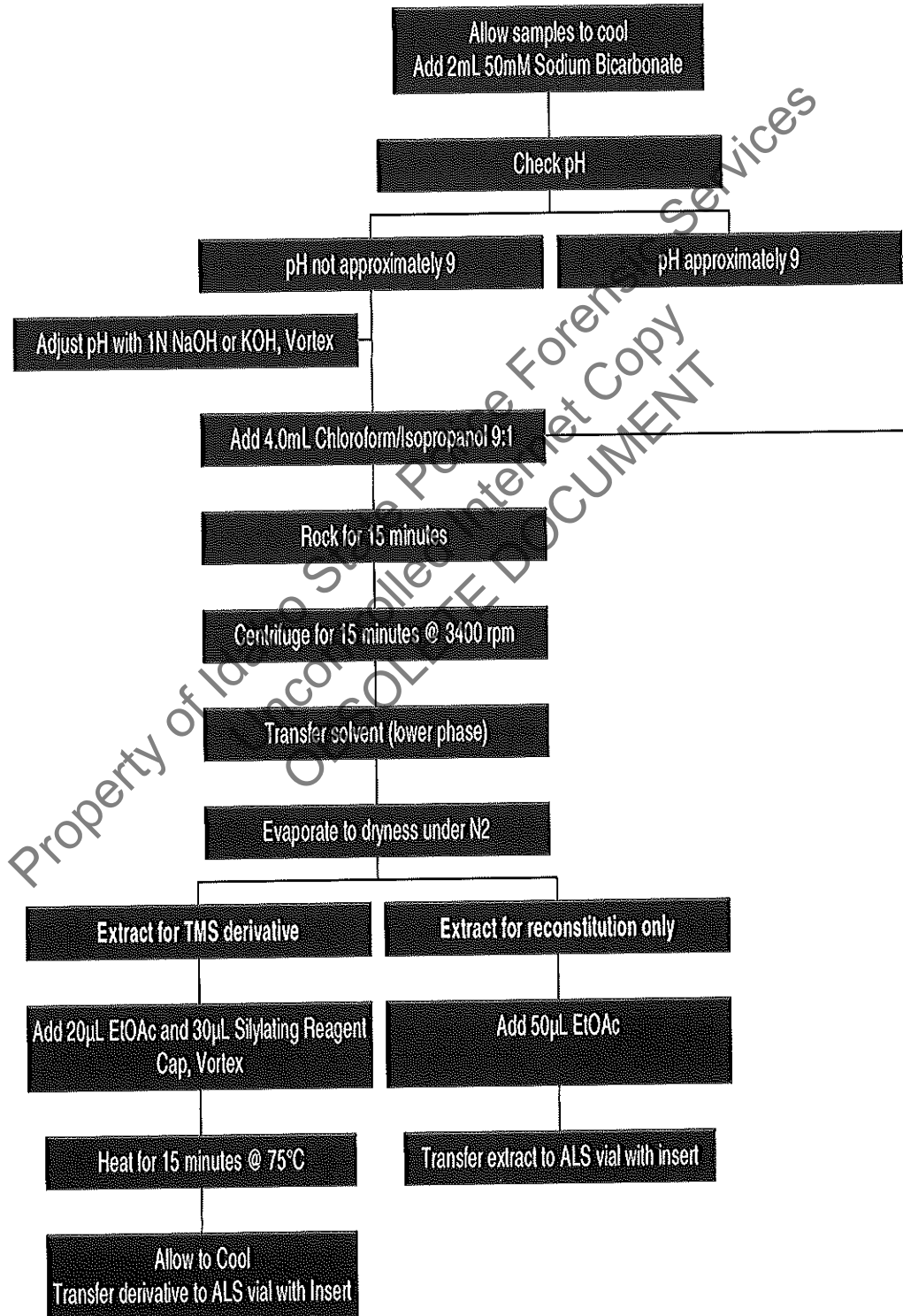
SAMPLE PREPARATION: GLUCURONIDE CLEAVING



WORK INSTRUCTIONS

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SAMPLE PREPARATION: EXTRACTION



WORK INSTRUCTIONS

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Revision History

Revision No.	Issue Date	Revision/Comments
0	5/15/2009	Original Issue
1	03/07/2011	Clarified schemes

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