

Document Title: Extraction of Samples for Semen

Controlled: Yes, with red stamp present

Controlled By: Quality Manager

Prepared By: _____ Date: _____

Approved By: _____ Date: _____

A. PURPOSE:

To remove the sample from the substrate and prepare the sample for subsequent testing for semen.

B. RESPONSIBILITY:

Forensic Science Examiners from the Connecticut State Forensic Science Laboratory who have been trained in the discipline of extracting samples for semen according to SOP-FB-31 (Training Manual).

C. DEFINITIONS:

RSID: Rapid Stain Identification

D. PROCEDURE:

These extractions will be performed at the discretion of the examiner based on the submitting agency requests, case information and condition of the evidence.

1. Materials:

- a. RSID™-Universal Buffer
- b. Microcentrifuge tubes
- c. Shaker
- d. Ultrasonic Bath

2. Procedure:

- a. If the sample to be tested is in a liquid form (ie. suspected semen or urine or vomit suspected to contain semen), then make a stain, air dry and proceed to the step below.
- b. Extract a portion of the questioned sample or stain in a microcentrifuge tube with 300 µl of universal buffer.

For very limited sized stains extract in a volume of 150µl for RSID™-Semen or 175µl for p30 ABACard®.

- c. Extract for a minimum of two (2) hours on a shaker at room temperature or overnight at 4°C. A 30 minute ultrasonic bath step may be included during the extraction process.

3. Record buffer used on the General Reagent Sheet (FBQR-09).

E. REFERENCES:

1. Independent Forensics, RSID™ - Universal Buffer Technical Information and Protocol sheet.
2. Connecticut State Forensic Science Laboratory, RSID™ - Universal Buffer Internal Validation, 2011.