

FORENSIC BIOLOGY SEROLOGY PROCEDURES MANUAL

Acid Phosphatase Presumptive Test for Semen		
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Acid Phosphatase Presumptive Test for Semen

1 GENERAL

1.1 An Acid Phosphatase test is a presumptive test for semen. It may be performed directly on a cut out portion of a stain, an extract of a stain, or a “wipe” of the stained material.

1.1.1 A wipe may be made using a piece of filter paper, thread, or swab. Wet the wipe with water, then rub over the stained area while still wet.

2 CONTROLS

2.1 Analysts using Acid Phosphatase test reagents must test each lot/aliquot of reagent at least once per day, using positive and negative controls, before any evidence items are tested. The results of this test shall be recorded in the case notes. Semen must be used as a positive control. A drop of deionized water may be used for the negative control.

2.1.1 If controls do not pass, inform the Quality Assurance Team immediately.

3 PROCEDURE

3.1 Apply a drop of the Alpha-Naphthyl Phosphate reagent; wait 60 seconds.

3.1.1 If a purple color occurs at this point, the testing results should indicate “inconclusive.”

3.2 Apply a drop of the Fast Blue B reagent. An immediate purple color is a positive reaction.