

SEMEN AND SPERM DETECTION INC.

1201 W. Airport Freeway, STE 251, Euless TX 76040
(817) 283-4774 (214) 742-4362
(888) 875-7574 Fax (800) 886-2148
<http://www.Semen-Detection.com>



Analysis Report

Case # PSA71931A-C

On 29 October 2007, FedEx (79829515#####) delivered to SSDI an envelope containing three napkins under case number P0708981. The items were logged in and testing was completed on 10/30/07.

Evidence

The three items for testing are white Subway napkins size 5.5x5.5 inches with markings. Item A was a torn partial napkin; Item B and C were whole but torn with holes. UV long and short wave light confirmed the locations for testing.



Analysis

A test for the presence of Acid Phosphatase (AP) was conducted. Acid phosphatase is an enzyme present in semen at concentrations of 20 to 400 times other body fluids. The presence of acid phosphatase is a presumptive test for the presence of semen and needs to be confirmed by DNA or the presence of a Prostate Specific Antigen (PSA).

A Prostate Specific Antigen (PSA) test was completed. The detection of the PSA on forensic samples is often helpful because it confirms the presence of semen even in samples that involve vasectomized or azospermic individuals. The PSA is a glycoprotein produced by the prostate gland and secreted in seminal fluid at concentrations (from 2.0×10^5 to 5.5×10^6 ng/ml).

A microscopic examination was performed. Microscopic examination is a presumptive test for the presence of sperm unless intact, non-degraded sperm are detected. Intact sperm are rarely visible after 4 days unless the sample was immediately frozen and properly stored.

Results

All items tested negative for semen and sperm. The following chart provides the comparative strengths of the results ranking from 0 to 10.

	Reference	PSA	AP	Sperm
Item A	P0708981	0	0	0
Item B	P0708981	0	0	0
Item C	P0708981	0	0	0

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Conclusions

No semen or sperm was found on the tested items. The samples, proof of tests, and results were sent to the address below by 2nd day FedEx 79037086####.

A handwritten signature in black ink that reads 'Steve Calvert'. The signature is written in a cursive style and is positioned above a horizontal line.

Steve Calvert – Forensic Scientist

Results to:

Steamboat Springs Police Dept.

P.O. Box 775088

Steamboat Springs, CO 80477

State of Texas, County of Tarrant

Before me, Steve Calvert, on this day personally appeared to me and presented his Texas drivers license to be the person whose name is subscribed to the foregoing instrument and acknowledged that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 30th day of October 2007.

Cynthia Salgado