Results

The sperm fraction of a sexual assault sample was processed by a crime laboratory using a standard differential extraction method. The profile obtained by the crime laboratory was female with a trace of male contributor. Subsequent attempts by the laboratory produced the same result. The sample was sent to PTC for processing with Erase and then the extract was returned to the crime laboratory. A full, mixture free male profile was obtained by the crime laboratory using the Erase extract.

Erase Profile

Standard Method Profile

DNA Purification

The nuclease differential extraction method prepares non-sperm and sperm fractions that can be easily purified using the laboratories preferred DNA purification method. Organic extraction followed by either ethanol precipitation or centrifugation filtration spin columns (membrane and spin) or classical precipitation can be used to obtain the sperm fraction DNA. 

Availability

The Erase Sperm Isolation Kit is now available. For questions or comments email erase@ptclabs.com or visit www.ptclabs.com/erase.

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