1. Record Nr. UNINA9910695369703321

Titolo	A rapid and inexpensive PCR-based STR genotyping method for identifying forensic specimens [[electronic resource]] : final report / / Doris M. Kupfer ... [and others]
Pubbl/distr/stampa	Washington, D.C. : , : Federal Aviation Administration, Office of Aerospace Medicine Ft. Belvior, VA : , : Available to the public through the Defense Technical Information Center Springfield, Va. : , : Available to the public through the National Technical Information Service, , 2006
Descrizione fisica	i, 14 pages : digital, PDF file
Altri autori (Persone)	KupferDoris M
Soggetti	Forensic genetics DNA fingerprinting Polymerase chain reaction
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 26, 2006). Performed by FAA Civil Aerospace Medical Institute; Advancia; and DNA Solutions, Oklahoma City, OK. "June 2006." "DOT/FAA/AM-06/14."
Nota di bibliografia	Includes bibliographical references (pages 13-14).
Sommario/riassunto	In this study, the Federal Bureau of Investigation's human Combined DNA Identity System (CODIS) loci were used on a rapid, inexpensive microfluidics chip electrophoresis platform to confirm the identity of forensic samples from an aircraft accident site. Absolute allele identification was not achieved with this method, but it was found to be suitable for comparative analysis, as demonstrated by validation of the results and conclusions from capillary electrophoresis. The nine CODIS Short Tandem Repeat loci and a gender discrimination locus used in this study have a greater than 5E+07 matching probability suitable for small sample sizes.