

1. Record Nr.	UNINA9910511419203321
Autore	Farley Mark A
Titolo	Forensic DNA Technology
Pubbl/distr/stampa	Milton, : CRC Press LLC, 2017
ISBN	1-351-07212-9 1-351-08057-1
Descrizione fisica	1 online resource (xvi, 250 pages) : illustrations
Collana	CRC Revivals
Disciplina	363.2
Soggetti	Forensic genetics - Technique DNA fingerprinting Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Forensic DNA Technology examines the legal and scientific issues relating to the implementation of DNA print technology in both the crime laboratory and the courtroom. Chapters have been written by many of the country's leading experts and trace the underlying theory and historical development of this technology, as well as the methodology utilized in the Restriction Fragment Length Polymorphism (RFLP) and Polymerase Chain Reaction (PCR) techniques. The effect of environmental contaminants on the evidence and the statistical analysis of population genetics data as it relates to the potential of this technology for individualizing the donor of the questioned sample are also addressed. Other topics include the proposed guidelines for using this technology in the crime laboratory, the perspective of the prosecution and the defense, the legal standards for determining the admissibility and weight of such evidence at trial. Finally, the issues of validation and the standards for interpretation of autoradiograms are brought into focus in a detailed study of actual case work. Forensic scientists, prosecuting attorneys, defense attorneys, libraries, and all scientists working with DNA technology should consider this a "must have" book.

