



Forensic DNA Analysis: A Laboratory Manual

By J. Thomas McClintock

CRC Press. Paperback. Book Condition: New. Paperback. 176 pages. Dimensions: 10.8in. x 8.4in. x 0.5in. In its short but active history, the use of DNA typing has revolutionized criminal investigations. It is almost inconceivable to bring a case to trial without positive identification through what is now our most accurate means. Proficiency with the methodology, principles, and interpretation of DNA evidence is crucial for today's criminalist. An introductory text, *Forensic DNA Analysis: A Laboratory Manual* presents a contextual history and overview of the science and use of DNA typing. Logically organized, with clear, concise language, this manual provides a fundamental understanding of forensic DNA analysis and a thorough background in the molecular techniques used to determine an individual's identity. Students are provided with a sound working knowledge of the investigative methodology, scientific principles, and the analysis and interpretation of the resulting data. After laying a foundation on the rules of the laboratory, the basic scientific principles, and the types of biological materials, such as hair, blood, and bone, this practical, hands-on manual provides 12 exercises outlining techniques commonly used in DNA typing. Designed to be performed in a common laboratory, the experiments cover DNA extraction, concentration, and assessment; DNA analysis using...



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