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Autore	Elkins Kelly M
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	Extraction; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE: DNA COLLECTION AND PACKAGING; QUESTIONS; References; Chapter 4 - DNA Extraction; OBJECTIVE; SAFETY; MATERIALS; RECIPES FOR BUFFER AND SOLUTION PREPARATION; BACKGROUND; PROCEDURE; QUESTION; References; Chapter 5 - Determination of Quality and Quantity of DNA Using Agarose Gel Electrophoresis OBJECTIVESAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; Reference; Chapter 6 - Determination of DNA Quality and Quantity Using UV-Vis Spectroscopy; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 7 - Determination of DNA Quantity by Fluorescence Spectroscopy; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 8 - Real-Time Polymerase Chain Reaction (PCR) Quantitation of DNA; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References Chapter 9 - Multiplex Polymerase Chain Reaction (PCR) Primer Design (in Silico)OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 10 - Testing Designed Polymerase Chain Reaction (PCR) Primers in Multiplex Reactions; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 10 - Testing Designed Polymerase Chain Reaction (PCR) Primers in Multiplex Reactions; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 11 - Testing Designed Polymerase Chain Reaction (PCR) Primers in Multiplex Reactions; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 12 - Capillary Electrophoresis of Short Tandem Repeat (STR) Polymerase Chain Reaction (PCR) Products from a Commercial Multiplex KitOBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 13 - Computing Random Match Probability from DNA Profile Data Using Population Databases; OBJECTIVE; SAFETY; MATERIALS; BACKGROUND; PROCEDURE; QUESTIONS; References; Chapter 14 - Mitochondrial Deoxyribonucleic Acid (mtDNA) Single Nucleotide Polymorphism (SNP) Detection; O
Sommario/riassunto	Using BioEdit DNA typing has revolutionized criminal investigations and has become
	a powerful tool in the identification of individuals in criminal and paternity cases. Forensic DNA Biology: A Laboratory Manual is comprised of up-to-date and practical experiments and step-by-step instructions on how to perform DNA analysis, including pipetting, microscopy and hair analysis, presumptive testing of body fluids and human DNA typing. Modern DNA typing techniques are provided, reflecting real life, where not all institutions and crime labs can afford the same equipment and software. Real case studies w