The DNA collected from a crime scene for forensic analysis consists of a number of human cells from one or more individuals. Note that each cell of an individual will contain two alleles (diploid cells) for each autosomal marker, whereas sperm cells have only one allele (haploid cells). This means that in a mixture, a particular individual will contribute the same number of alleles for each marker. DNA Forensic DNA Section QUALITY ASSURANCE MANUAL. SECTION 1: INTRODUCTION. Goals: It is the goal of the Arkansas State Crime Laboratory to: A. Provide the users of laboratory services access to forensic analysis including biological fluid identification and DNA typing of selected biological materials associated with official investigations. B. Ensure the quality, integrity and accuracy of the DNA typing data and its presentation through the implementation of a detailed Quality Assurance/Quality Control program. Forensic DNA Analysis book. Read reviews from world’s largest community for readers. In its short but active history, the use of DNA typing has revolutionized...â€œForensic DNA Analysis: A Laboratory Manualâ€ as Want to Read: Want to Read saving… Want to Read. Currently Reading. Read. Other editions. Enlarge cover. DNA analysis is the preferred method and considered to be the most reliable method in forensics and criminal investigation. Forensic DNA typing is utilised in a wide variety of cases for proving the guilt as well as to prove innocence. From lifting the exhibits from the crime scene or recovering the pieces of evidence from the victim or suspect, its transportation, laboratory analysis, report along with maintaining the chain of custody is the task which is taken care of investigating agency and forensic DNA analyst. All these steps should be free from contamination and cross-contamination. Thi This book includes DNA fingerprinting protocols, including DNA extraction from biological samples, amplification of STR for target enrichment, genotyping and statistical analysis; it also presents criminal and civil cases where DNA profiling has been used as forensic evidence.â€œPrinciples and Practices of DNA Analysis: A Laboratory Manual for Forensic DNA Typing. Authors: Dash, Hirak Ranjan, Shrivastava, Pankaj, Das, Surajit. Includes the basic principles of DNA fingerprinting, Provides step-by-step protocols for DNA extraction, STR amplification, genotyping, and statistical analysis. Examines criminal and civil cases where DNA profiling has been used as forensic evidence. Outlines recent technological advances in DNA fingerprinting analysis. see more benefits. Buy this book.