



## SER 01 PURPOSE

Forensic serology is the identification of body fluids and the collection of biological materials for DNA analysis. In the forensic community, forensic serology is also referred to as Body Fluid Identification (BFID). The purpose of the Serology Section within the Colorado Bureau of Investigation (CBI) is to:

- Document the condition of items of evidence submitted for analysis
- Perform presumptive tests, as applicable to the case, for the presence of blood, seminal fluid, saliva, urine, and/or fecal material
- Perform microscopic examinations for spermatozoa to confirm the presence of semen when appropriate
- Perform microscopic examinations of hairs/fibers to identify hairs that are suitable for DNA analysis when needed
- Collect samples that may contain biological material from a body fluid and/or trace DNA
- Prepare and preserve samples for DNA analysis
- Issue written reports summarizing results of analyses performed
- Provide expert witness testimony

The quality procedures of the Serology Section are outlined in the discipline operation manuals (DOMs) SER 02 through SER 09. The technical procedures used by the Serology Section are listed in DOMs SER 10-01 through 10-12.