

Appendix A - SOP Guidelines Section 3: EQUIPMENT, MATERIALS, AND REAGENTS

This appendix provides examples of equipment, materials and reagents that may comprise the "Equipment, Materials and Reagents" section (Section 3) of an agency's SOP for BPA. This list is not intended to be all-inclusive.

Personal and Crime Scene Protection

- Disposable personal protective equipment suitable for biohazard investigations (e.g., coveralls, gloves, shoe covers)
- Respiration protection
- Eye protection
- Disinfecting agents (e.g., towelette, antibacterial solution)
- Stepping plates
- Paper roll
- Barrier tape
- Biohazardous waste containers
- First aid kit

Measurement Equipment

- Single stain measurement devices (e.g., dividers, calipers, magnifying loupe, computer software)
- Angle of impact devices (e.g., level and angle finder, protractor, geometric triangle, computer software)
- Ruler and tape measure
- Plumb bob
- Strings in different colors
- Adhesive tape
- Dowel rods
- String support pole or tripod
- Scientific calculator
- Lasers (e.g., levels, distance measuring)

Illumination Equipment

- High intensity light sources
- Forensic light source and appropriate eyewear
- Flashlights
- Extension cords, power supply

Photographic Equipment

- Camera and media generally accepted for crime scene documentation
- Interchangeable lenses
- Flash equipment (e.g., speedlight, ring flash)
- Digital cards or film
- Cable release
- Batteries
- Video camera and media
- Tripod
- Color balance card

Markers, Identifiers, and Documentation Equipment

- Self adhesive labels (e.g., arrows, rulers, numbers or letters)
- Metric scales (e.g., photo evidence scales, folding scales, adhesive scales, fluorescent scales, L-shaped scales)
- Compass with 360° scale
- Number, letter or arrow placards
- Crime scene flags
- Note taking and sketching materials (e.g., notebook, graph paper, pencils, markers)
- Audio recorder and media

Collection Supplies

- Filter paper
- Sterile cotton tipped swabs, swatches
- Disposable scalpels
- Tweezers
- Water (e.g., distilled or sterilized)
- Evidence packaging (e.g., paper evidence bags, plastic evidence bags, evidence boxes, evidence collection tubes, evidence integrity tape, evidence tags, chain of custody labels)
- Scissors
- Blood collection tubes
- Self adhesive biohazard labels and seals

Reagents

- Presumptive blood tests [e.g., phenolphthalein, tetramethylbenzidine (TMB)]
- Visual blood enhancement chemicals [e.g., amido black, leucomalachite green (LMG), leuco crystal violet (LCV)]
- Blood searching chemicals (e.g., luminol, fluorescein)