

Forensic Serology & Bloodstain Pattern Analysis Study Guide

I. Forensic Serology (Weeks 15-16)

Overview:

Forensic serology involves analyzing bodily fluids at crime scenes to identify presence of blood, semen, or saliva, and link suspects to victims or crime scenes.

Major Fluids Tested:

- Blood
- Semen
- Saliva
- Others: Urine, feces, vaginal secretions, dental tissue, hair, nails

Blood Analysis:

Presumptive Tests (Quick but not conclusive):

- Kastle-Meyer (Pink)
- TMB (Green to blue-green)
- o-Toluidine (Blue)
- LMG (Blue-green)
- Luminol (Fluorescent, blue-white glow)
- Fluorescein (Fluorescent under 450 nm)

Confirmatory Tests (Definitive):

- Takayama Test (Microscopic pink crystals)
- Precipitin Test (Human blood only)
- Rapid Immunoassay (Test strip for human blood)
- Blood Typing (ABO & Rh)

Semen & Saliva Analysis:

- Semen: Acid phosphatase, PSA (p30), Sperm visualization
- Saliva: alpha-amylase enzyme detection

Forensic Serology Test Study Guide Answers

Arturo Cuomo



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web jun 27 2023 extracorporeal membrane oxygenation ecmo what the hecmo am i looking at 1 for adults two major ecmo types function to bypass the lungs veno venous vv or the heart and lungs veno arterial va with variable catheter types and positions for both 2 ecmo catheters are imaged with radiographs echocardiography and ct both