Spectral Imaging with VideometerLab

Application: Forensics

Videometer A/S
www.videometer.com

Samples kindly provided by:
University of Alcalá
Spanish Police
Home Office CAST
Blood stains in 5 different dilutions

RGB

405 nm

Spectrum

Blood index histograms
Blood on paper and fabric
Blood smear on fabric

sRGB

Blood index
Saliva on paper

Saliva: red curve
Paper: green curve

Spectrum
Semen on paper

Semen detector

Semen: blue curve
Paper: red curve
Semen on carpet

Semen on carpet

Semen detector

Semen: red curve
Carpet: green curve
Fabric with blood and semen

Spectra of blood, semen, and fabric

sRGB  525 nm  870 nm

Semen detector  Blood detector
Red fabric with unknown liquid

sRGB

Identifying affected part of red fabric