

TOUCH DNA Visualized Extraction System OR-GDNA1000

Touch DNA, also known as Trace DNA, is a forensic method for analysing DNA left at the scene of a crime, it only requires very small samples, for example from the skin cells left on an object after it has been touched or casually handled, or from footprints. Touch DNA analysis only requires several cells from the outermost layer of human skin.⁽¹⁾

The system comes with specialized designed high object distance microscope, integrating multipath combined wavelength light source, CMOS camera and Pad. Working for excitation fluorescence of skin cells, blood stain, semen stain, saliva stain etc, which will be visualized in Pad screen.



SOLUTIONS:

1. Visualized Touch DNA reduce blind and useless extraction, avoid contamination or mixture.
2. Tens to hundreds of trace evidence can be detected and extracted accurately.

Touch DNA could be:

1. Various kinds of criminal weapons & tools with anti-reconnaissance cleaning
2. Skin-touched bricks, sticks, clothes, shoes, hats, masks, gloves, etc.
3. Detecting trace blood stains and drip bloodstain evidence on dark cotton clothing, fiber fabrics, and black tiles
4. Detecting saliva, semen spots, urinary traces and other biological samples.



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Skin cells -- IPHONE screen surface



skin cell -- Rough Stone surface





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skin cell -- USB



Skin cell -- Knife Blade

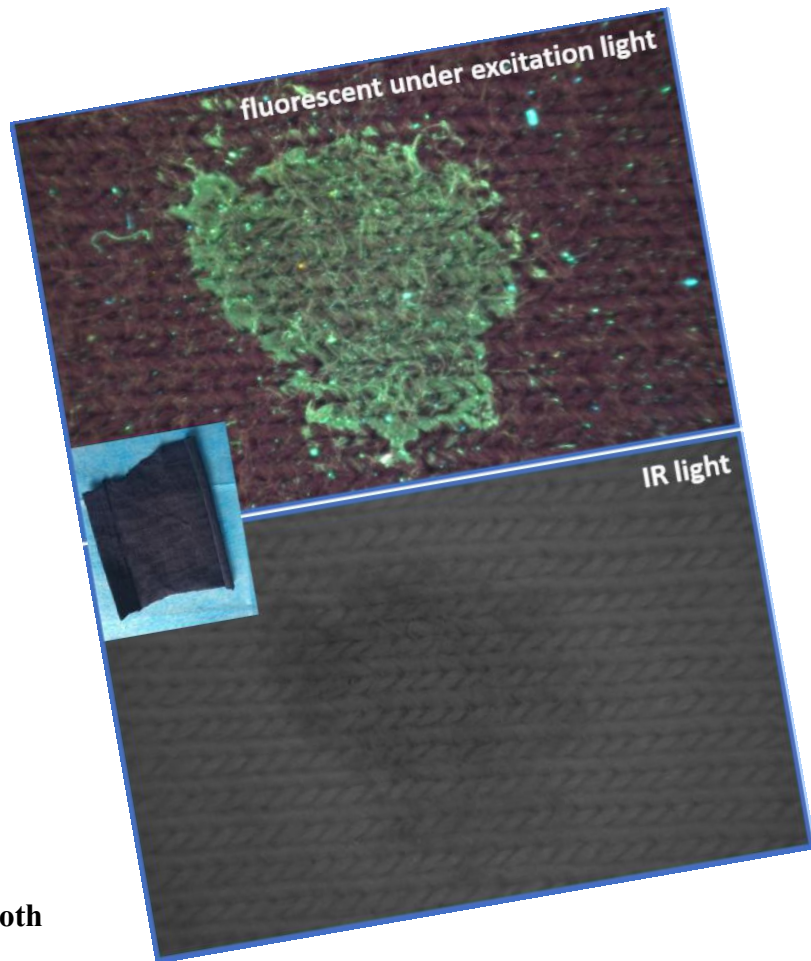




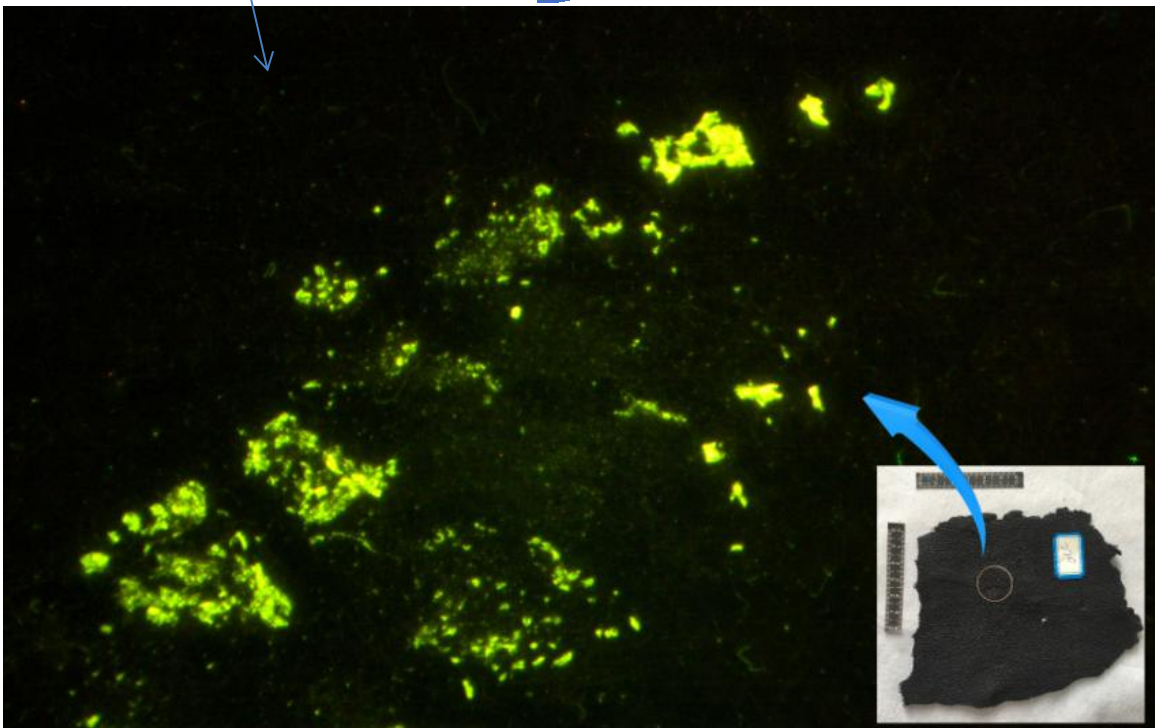
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Blood stain --- on cloth



laser 445nm -- semen on cloth



REFERENCE

1, https://en.wikipedia.org/wiki/Touch_DNA