DEVELOPING FINGERPRINTS ON THE ADHESIVE TAPE BY FLUORESCENCE

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Abstract: This paper aims to study the development of sweat fingerprints on adhesive tapes by fluorescence. The sweat fingerprints were developed by the JX-2 reagent on yellow adhesive tapes, black electrician adhesive tapes and transparent adhesive tapes. The best concentration of the JX-2 was obtained through the concentration experiments. Aged fingerprint (30 days) on the different adhesive tape surfaces was successfully developed by JX-2 reagent. The developed fingerprints fluorescent excited by ultraviolet light, so the fingerprints are clear and bright, in sharp contrast with the objects. It guarantees the reliability and high delicacy of the fingerprints developed on the surfaces of the adhesive tapes and improved the contrast on the sticky tapes.
Keywords: adhesive tape; latent fingerprints; develop; fluorescent.

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