(Chemistry), M.Sc. (Forensic Science)

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ABSTRACT

Examination of gunshot residues (GSR) in barrel
have long been importance as evidence in the investigation
of firearms cases. In the present time, no paper about

In this paper, Estimation of the time lapse since

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timing after shooting.

Time Estimation by Reaction of Gunshot

Master of Science (Forensic Science)

Pol. Capt. Rewatt Catithammanit, B.Sc.

Residue by Spectrophotometer

Chalerm Sakalongkorn

measure the absorbance (O.D.) by Spectrophotometer.

The study 2 types, 4 catagories of gun was tested, revolver .22, .38 and automatic 9, 11 mm. From the test, the absorbance from gunshot residues in each type has different values in different time. Then the measured absorbance in the graph of relationship between the

firearm was fired, by firing the gun in different time, take

the gunshot residues in the barrel which is brought about

from incomplete combustion to the chemical reaction and

absorbance and time can estimate the time being till I month (30 days), however, the time factor, chemical changes of the gunshot residues Were depending on the type of gun, size, barrel length and the cartridge has to be the same type, size too.