ABSTRACT

The Security Forces are forced to assure the preservation of the crime scene, through the criminal investigation teams, who are responsible for immediately proceeding in preserving the evidences that exist there, isolating the scene of the crime. Subsequently, the criminal investigators and the Criminalistic Technicians proceed with the necessary judiciary inspection and evidence gathering.

Attending to the necessity to define procedures for biological evidences, from the time of gathering to that of sending to Forensic Laboratories, as well as for the preservation of the Chain of Custody, an investigation work, which aims to study the preservation of the Chain of Command in biological evidences with forensic purposes, was elaborated.

The methodological process was based on the elaboration of interviews carried out to the Heads of the GNR Teams who are responsible for gathering evidence at the scene of the crime (NAT), in the application of questionnaires of a nature which is extensive to the NAT Criminalistic Technicians of the Guarda Nacional Republicana and in the documental analysis of the biological identification processes requested by the Security Forces and analysed in the Lisbon Delegation of the National Institute of Legal Medicine (DL-INML).

At the level of the results and discussion, analysing the interviews and applied questionnaires permitted to carry out an evaluation of the point of the situation of the GNR NAT, as well as evaluate the team’s future needs, both at the level of formation and material resources. Also analysing the biological identification processes, the types of more frequent cases, as well as the types of biological evidences sent, were studied, as well as non conformities which could led to non conclusion cases at the Forensic Laboratory.

The Bag used for gathering Biological Evidences was appraised. We defined the proceedings for the gathering and sending of biological evidences to the Forensic Laboratories.
Abstract

The means of performance and the proceedings to be adopted by the NAT of the *Guarda Nacional Republicana* were broached as well as the new model of the Chain of Custody Table, and the restructuring of the model of the Judiciary Inspection Report, of the Package Label and of the Integrity Seal to apply and the preservation of Chain of Custody.

This study allows for a better understanding and definition of the procedures for the preservation of the Chain of Custody for biological evidences, on the behalf of the Criminal Investigation organs of the *Guarda Nacional Republicana* (GNR).

**KEYWORDS**
Criminalistics, NAT/GNR, Biological Evidences, Bag for Biological Evidences, Chain of Custody