

## **DETRMINATION THE AGE OF SALIVA STAIN USING RT-PCR**

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Although the great development in the forensic genetics has been DNA analysis, it does not provide any information about the time of the deposition of biological stain. Time since deposition could exclude potential suspects from the investigation as well as determination when the crime occurred. In this study the relative expression ratio (RER) of the  $\beta$ -actin mRNA to 18S rRNA in saliva samples that were aged over 63 days was monitored by using RT-qPCR assay. The results show that there is a correlation between the age of saliva and the RER and the age of the sample can be approximated.