

DNA OBTENTION FROM FETAL BONE REMAINS USING PHENOL; CHLOROFORM; ISOAMILIC ALCOHOL AND TOTAL DEMINERALIZATION

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The application of organic extraction techniques and total demineralization using the purification method QIAquick (Qiagen) modified by ICMP, for samples with low amount of bone and in bad conservation provided conclusive results in the resolution of cases with high degree of complexity, considering the time of inhumation and bone damage.

These are forensic cases, in which the result was no exclusion and exclusion. The materials used are large and flat bones to apply the protocol for cutting, cleaning and for pulverization applying a lysis buffer to total demineralization overnight followed by organic extraction or purification using the QIAquick (Qiagen) kit, then RTPCR DNA quantification and amplification using different systems, being the PowerPlex 16HS, the most efficient for this kind of sample, and other systems with less markers obtained.