

**A NOVEL USE OF PUREYIELD™ CLEARING COLUMNS (PROMEGA) TO PURIFY SAMPLES FOR LARGE VOLUME DNA EXTRACTION**

**M. Pizzamiglio, A. Marino and L. Garofano**

*Raggruppamento Carabinieri Investigazioni Scientifiche, Reparto di Parma, Italia*

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DNA extraction methods based on magnetic beads are fully demonstrated to be easily performed by automatic platform. Post lyses purification of sample from particles, such as fibres, paper or other impurities, which can interfere with the liquid handling of the robot, is a very important factor. This step becomes particularly necessary in case of large volume extraction from clothes in which every sample comprise a big amount of fibres and dye-colour. We perform a new protocol in which large evidence (e.g. sweat on collar) are soaked into 20÷40 ml of lyses buffer in Falcon tubes and subsequently filtered through a blue column of the PureYield™ Clearing Columns (Promega) kit. The new use of this column has shown to be a powerful tool to avoid contamination.