

DIRECT AMMUNITION RECOVERY TECHNIQUE

DART is the result of a research and development collaboration with Teesside University, in partnership with Merseyside Police and the NCA.

DART is an ISO 17025 accredited technique suitable for use on both fired and unfired 9mm cartridges along with other smaller types of ammunition. Our research has shown that the heat generated by firing does not significantly degrade any DNA present. The technique can also be used on other small, non-porous objects such as aluminium screws, metal staples, silver jewellery, plastic cable ties and phone SIM cards.

Early feedback suggests its impact on gun crime and firearms investigations should be significant.

Merseyside Police, who supported the development of the technique, are very optimistic about the potential of DART. Detective Superintendent John Webster, Merseyside Police's Scientific Support Manager and Force Intelligence Bureau Command said "I am delighted that Merseyside has been able to collaborate with Eurofins in such an exciting and

Evidence Recovery Kits

To make the new DART service as easy and effective to use as possible specialist recovery kits designed to compliment the technique will be produced by Scenesafe and can be purchased from EFS. These kits will maximise the chance of success and alleviate the need for traditional sample preparation in advance of DNA profiling. Details can be obtained from your Eurofins Forensic Services Account Manager.

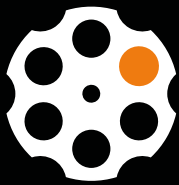
What is DART ?

DART is a new method that significantly improves the recovery of DNA from 9mm ammunition and provides a much greater success rate than is typically achieved via conventional DNA swabbing.

worthwhile project. The results have shown this has the potential to be a real game changer for police forces in the investigation of serious crime. In Merseyside, gun related crime is an ongoing priority with gang related incidents taking place every week, significantly impacting public confidence. We see this service offering becoming 'business as usual' providing another tool for forces in their fight against gun crime".

The National Crime Agency also supported the research leading to the launch of DART and Paul Daniels, Scientific Support Manager, stated "The National Crime Agency has welcomed the opportunity to make a contribution to the success of this project. The impact that this technique will have in the fight to reduce the introduction of firearms into the United Kingdom is significant."

We would like to thank both Merseyside Police and the NCA for their collaboration, support and joint funding with Eurofins Forensic Services to bring this project into live casework.



**DIRECT
AMMUNITION
RECOVERY
TECHNIQUE**

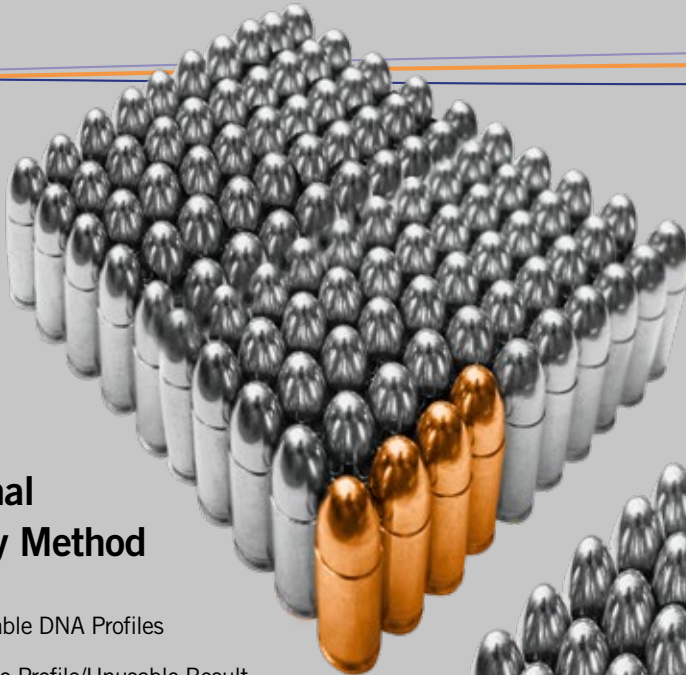


DART vs Traditional Swabbing

Success Rates: In tests the success rates were improved from 4% using traditional recovery methods to 58% using DART

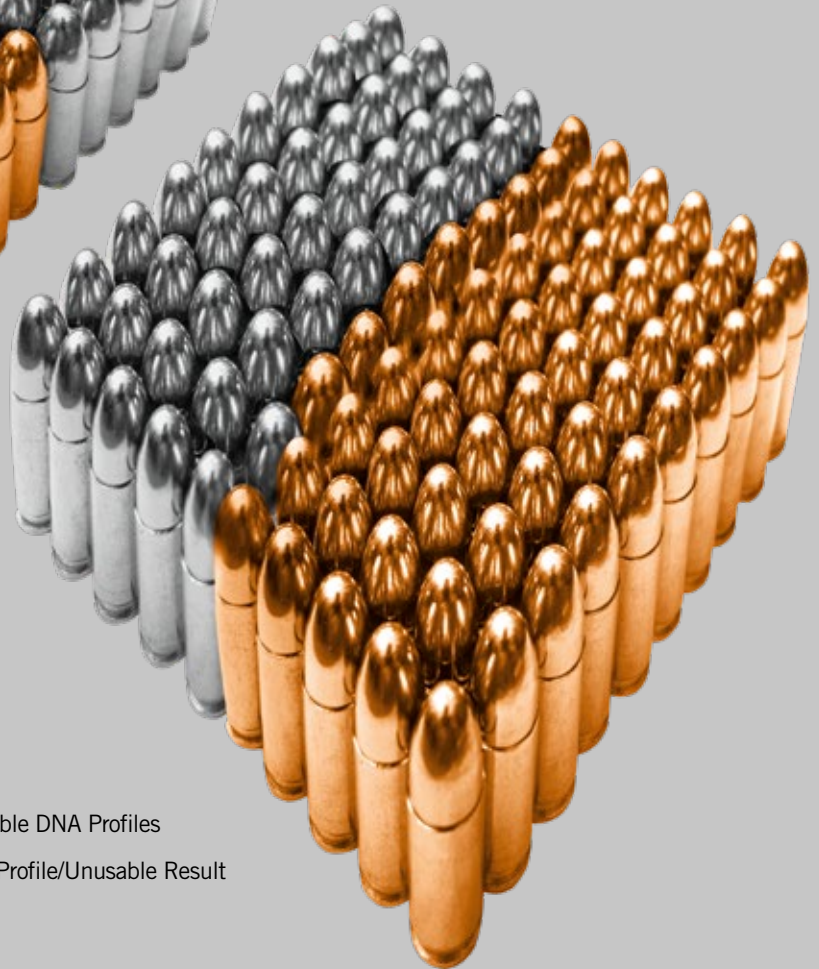
Traditional Recovery Method

- 4% Usable DNA Profiles
- 96% No Profile/Unusable Result



DART

- 58% Usable DNA Profiles
- 42% No Profile/Unusable Result



For further information on DART, please contact your Account Manager.
Call: +44 (0)844 2641 999, or visit: www.eurofins.co.uk/forensic-services

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any retrieval system, without the written permission of the copyright holder © Eurofins, 2020, All rights reserved. 01/DART/SWITCH/012020.