

ANDE IS A RAPID DNA PLATFORM AND SOFTWARE UNIT DESIGNED TO MAXIMISE THE IMPACT OF RAPID DNA ANALYSIS FOR POLICE INVESTIGATIONS.

Capable of providing a DNA ID in 90 minutes for a buccal swab sample, and 106 minutes for a crime scene sample, the ANDE DNA system offers a range of benefits to UK law enforcement, namely;

- Rapid identification of suspects;
- Dynamic covert policing support;
- Fast time support to intelligence-led policing;
- Prevention of further offences;
- Support to fast-moving high-profile investigations;
- Support to Counter Terrorism operations;
- Disaster Victim Identification (DVI);
- Reduced costs for the police;
- Increased public satisfaction and confidence in the police.

COMPREHENSIVE ANALYSIS CAPABILITY

Unlike other systems, a single ANDE instrument can analyse many different types of DNA samples **within just two hours:**

- Blood, semen and saliva;
- Touch-DNA;
- Hair, body tissue, bones and teeth.

MOBILITY

Unlike other systems, ANDE is fully mobile. Weighing just 54kg, it can be powered by mains or generator supply. It is ruggedised to meet the 810G US Military Standard that guarantees a level of durability for a piece of technology and is rated for use in a moving vehicle. ANDE can be shut down and moved immediately without having to use external company technicians. It does not require special shut-down procedures.

CONSUMABLES

ANDE Consumables (Chips) do not need to be refrigerated. This simplifies logistics and costs. ANDE Chips are also ruggedised to the 810G standard and have a broad environmental operating window. The ANDE DNA sample swabs contain desiccant to preserve samples and are tracked and logged by barcode and RFID, thereby preventing human error.

SOFTWARE

The fully integrated ANDE Expert Software does not require a trained expert to review or interpret the data. The ANDE software includes an encrypted data transfer system so data can be uploaded to a national or local DNA database via a range of methods.

SENSITIVITY

ANDE has demonstrated the ability to analyse DNA from the most challenging samples. Numerous independent validations and German DNA Profiling (GEDNAP) 2020 certification highlight the effectiveness of ANDE when compared to traditional laboratory techniques and other systems. ANDE is the only fully automated Rapid DNA solution approved by the FBI.

CROSS CONTAMINATION

ANDE's unique Chips contain all of the required chemistry and utilise single-use capillaries and sample-lock-in to eliminate cross-contamination or sample carryover. As the chemistry does not enter the instrument, there is no risk of blockage or the formation of precipitates.

USER OPERATION

ANDE provides a simple user experience through its ease of use in areas such as sample loading, logical operation, clear step-by-step instructions via the integrated LCD screen, help options, low noise levels, simple data export procedure and plug-and-play operation.

SERVICING AND ROUTINE MAINTENANCE

Unlike other systems which require regular system runs, replacement of capillary plates, gels and reagents by their company technicians (at significant cost), ANDE can be used continuously. It only requires an annual maintenance check.

