



DNA Buster

Efficient dry-vacuum DNA recovery from hard-to-reach textile surfaces.

Biological trace DNA is one of the most common types of evidence in forensic casework, yet it remains one of the most difficult to recover reliably. It is invisible, often present only in small amounts, and collected without the examiner knowing where the trace was deposited.

On textiles, DNA may be trapped deep within fibres or in the seams and folds of clothing, car seats or carpets or other textile surfaces. These are precisely the locations that surface-based methods such as swabs and tapes struggle to reach.

Developed to address this limitation, the DNA Buster was tested and optimized at the Institute of Forensic Medicine in Basel.

The aim was to recover more of the trace, including DNA that conventional methods leave behind, while keeping the handling of the evidence to a minimum, since every additional step increases the risk of contamination.

The result is a dry-vacuum device that draws DNA directly from within textile fibres.

Manufactured in Germany, the DNA Buster is marketed in cooperation with SERATEC®, which supports distribution, scientific validation and further application development.

1

Higher DNA yield from fibrous textiles

Collects DNA from within fibres and porous structures that may be missed by swabs.

2

Access to hard-to-reach areas

The narrow pipette tip reaches seams, folds, crevices and other recessed structures more effectively than other collection methods.

3

Reduced contamination risk

Requires minimal contact with the evidence compared with swabbing or tape lifting. No contamination-related DNA profiles were detected during field testing.

4

Simple handling, powerful collection

Comparative testing produced more interpretable STR profiles than wet-vacuum collection, without additional liquid-processing steps.