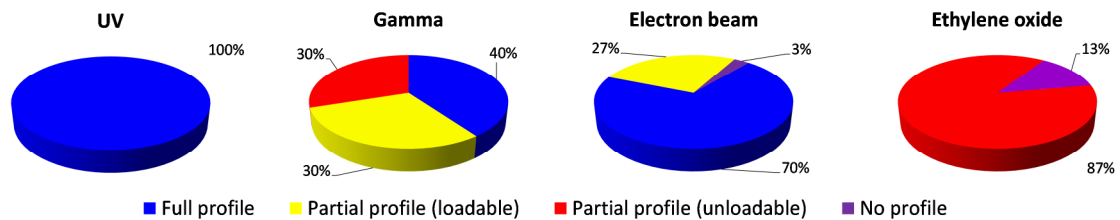


## Removal of amplifiable DNA with EO treatment prior to forensic sampling

### Only ethylene oxide treatment ensures that our products are free of loadable DNA.

Correct treatment of forensic consumables is key to correctly and efficiently resolving criminal cases. To prevent incidents like the debacle with contaminated forensic cotton swabs in Germany ("Phantom of Heilbronn") the German Federal Criminal Police office has introduced recommendations: "New standards for the production process of consumables and reagents for the forensic DNA-analysis and evidence collection".

Biotype Diagnostic therefore uses ethylene oxide (EO) to treat its Samplettype products according to the recommendations. This method has been shown by Shaw *et al.* to be the only procedure that does not deliver readable DNA profiles that could be added to a DNA database [1]. Samplettype **i-sep**<sup>®</sup> products are guaranteed free of DNA, which means: DNA of any kind, that might be present, is - by means of treatment with ethylene oxide - degraded to such small fragments that no human profile can be generated with PCR amplification methods. Manufacturing of our Samplettype products, production and treatment with ethylene oxide, are accredited.



[1] Shaw et al, 2008, Comparison of the effects of sterilisation techniques on subsequent DNA profiling. *Int J Legal Med* 122: 29-33.