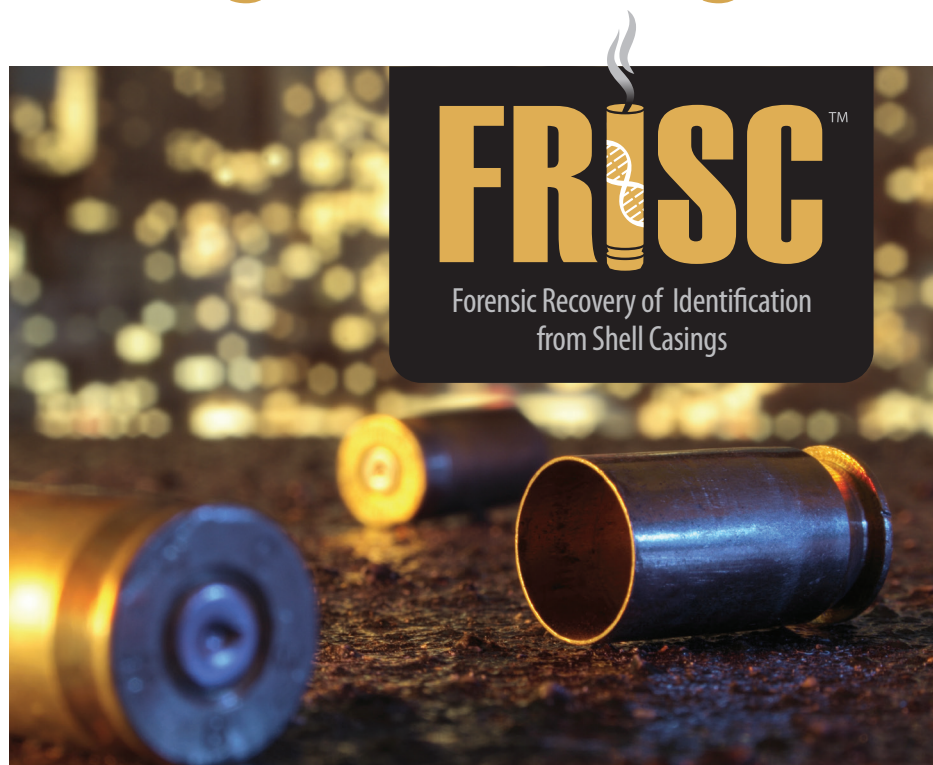


# Think DNA Can't Be Retrieved from Shell Casings? Think Again.

Using FRISC™ case investigators are achieving a success rate that is high enough to make DNA recovery from spent shell casings worth their time and effort. With improvements in DNA analysis techniques, shell casings have become potential keys to unlock the DNA profile of the criminal. The research team at SigSci's Center for Advanced Genomics developed and validated the FRISC™ method for maximizing DNA recovery in both yield and quality from spent shell casings in our accredited DNA casework laboratory. Further, the FRISC method minimizes both the physical impact on the shell casing during DNA processing, preserving the shell for downstream ballistics testing, and the risk of sample contamination due to gunshot residue.

## What is FRISC?

FRISC is an optimized DNA extraction process that is facilitating greater levels of DNA typing success. While



not all fired shell casings will have detectable amounts of DNA, when there is sufficient quantity, the FRISC process can enable successful DNA testing. If, after extraction, the quantification results are very low, SigSci will communicate this outcome with their client and recommend stopping the process prior to DNA analysis ("stop at quant").

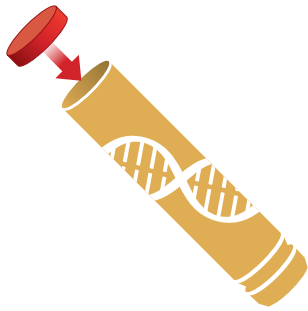
signature  
science<sup>®</sup> LLC

[www.signaturescience.com](http://www.signaturescience.com)

## Key FRISC Advancements

1

Special seal to stop  
gunpowder residue on  
inside of casing from  
contaminating sample



2

Streamlined  
handling to avoid  
DNA loss



3

Proprietary buffers to rapidly  
extract and preserve DNA  
without diluting sample



### How much does FRISC cost per shell casing?

The price per casing is slightly higher than more traditional sample types due to the additional handling steps required to maximize DNA recovery. In a “stop at quant” scenario where DNA analysis is not performed, the price is reduced accordingly. Volume discount pricing is available.

### Does FRISC really work?

Our DNA casework laboratory has generated profiles from spent shell casings that have been uploaded to CODIS and resulted in convictions.

### Need the shell casings returned for ballistics testing?

Our special seal allows our analysts to conduct analysis with damage-free handling. We expedite the the shell casings’ return after DNA extraction is completed.

### Ready to FRISC your spent shell casings?

Complete a case submission form and ship the evidence via any traceable courier (e.g., FedEx, UPS).

### Have questions? Need a quote?

**Leslie Parke, PMP, CQA**  
Director, Forensic DNA Laboratory

lparke@signaturescience.com  
(512) 533-2010

8329 North Mopac Expressway  
Austin, TX 78759

www.signaturescience.com



FOR MORE  
INFORMATION



FORENSIC CASE  
SUBMISSION FORM