



TANBEAD

Technical Investigation File

Performance Comparison of Commercial Kit

October 2021

1. Purpose

To investigate the DNA extraction performance of the 6TF kit by comparing with Q brand kit

2. Sample

Forensic samples, such as hair, semen, cigarette butt, blood, and gum

3. Instrument

(1) Nucleic acid extraction: Maelstrom M4800 extractor (Program: 6TF)

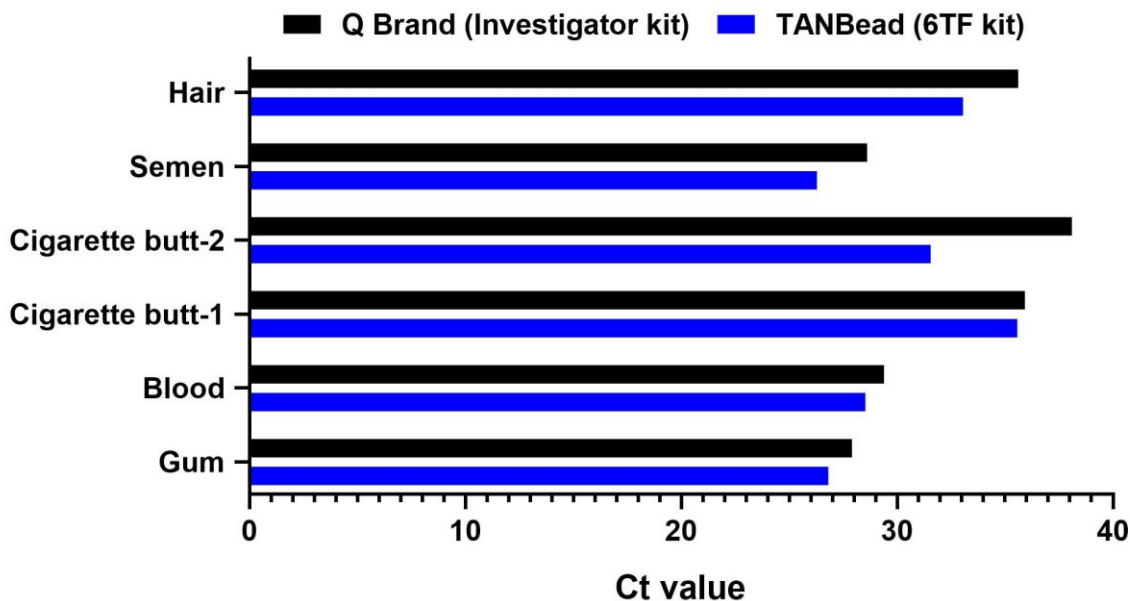
(2) qPCR analysis: Bio-Rad CFX96 system

4. Commercial kit

Q Brand Investigator kit (spin-column)

5. Results

qPCR analysis (18S rRNA)



6. Conclusion

Based on our in-house testing results, the forensic DNA extraction performance by qPCR analysis method showed the TANBead 6TF kit seems to offer comparable or even better performance (the lower Ct value) with the Q brand kit.