

Summary

Bode has developed and validated a protocol for processing the Buccal DNA collector with the AmpF ℓ STR® Identifiler® Direct PCR Amplification kit from Life Technologies.

Bode Buccal DNA Collector samples processed with AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit provides first pass success rates of greater than 80% - equivalent to success rates over as processing with FTA paper.



Protocol for Processing

The following protocol has been validated for processing the Buccal DNA Collector with the AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit.



Remove one 1.2mm punch from the Buccal DNA Collector and place into tube or PCR plate well.



Add BodeExtract Solution (Cat No. P09D89) and incubate on a 70°C heat block for 20 minutes.

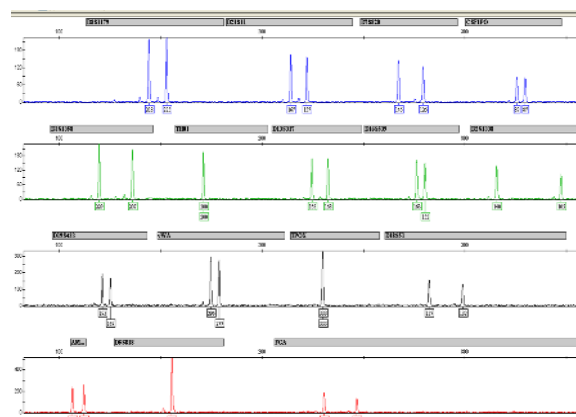


Add 25 μ l of AmpF ℓ STR® Identifiler® Direct reaction mix to the 1.2 mm punch and perform PCR according to the instructions found in the AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit User Guide.

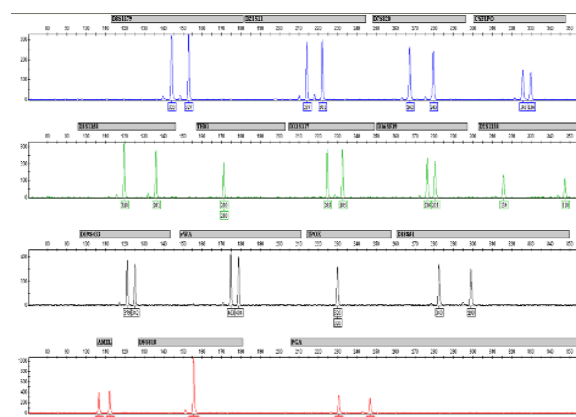
Results

	Bode Buccal DNA Collector	FTA Sample
# of Samples	88	88
1st pass success rate	84%	82%

The Buccal DNA Collector provided equivalent performance as FTA samples when processing samples using the AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit.



Electropherogram 1: Sample from the Buccal DNA Collector – processed with AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit



Electropherogram 2: The same sample when collected on FTA paper – processed with AmpF ℓ STR® Identifiler® Direct PCR Amplification Kit

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