



Short Tandem Repeat

Requestor: David Broderick, Boston University

Samples Received: 09Sep21

STR Amplification Date: 13Sep21

Form SOP-89.01

Version 7.0

Sample Name	103-3-Cr1 PX+8(2)
Label on tube	88322
FGA	22, 24
TPOX	8, 11
D8S1179	13, 16
vWA	16, 18
Amelogenin	X, X
Penta_D	9, 12
CSF1PO	11, 12
D16S539	10, 11
D7S820	11, 13
D13S317	8, 11
D5S818	9, 11
Penta_E	10, 13
D18S51	13, 14
D21S11	30, 31
TH01	6, 9
D3S1358	14, 15
Allelic Polymorphisms	30
Matches*	
Comments	

**Note: The STR profile of the following sample is an exact match for the given sample/samples.*



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Assay Description: STR analysis is performed using the PowerPlex 16 HS System by Promega™. Results are reported as 13 CODIS STR markers, Amelogenin for gender determination and two low-stutter, highly discriminating pentanucleotide STR markers.

Results: The genotypic profiles comprise a range of 25-30 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: The concentration of DNA required to achieve an acceptable STR genotype (signal/ noise) was equivalent to that required for the standard procedure (~1 ng/amplification reaction) from human genomic DNA. These results suggests that the cells submitted correspond to the cell lines as named and were not contaminated with any other human cells or a significant amount of mouse feeder layer cells.

Sensitivity: Sensitivity limits for detection of STR polymorphisms unique to either this or other human cell lines is ~2-5%.

<p>X</p> <hr/> <p>Tech #1 Characterization</p>	<p>X</p> <hr/> <p>Tech #2 Characterization</p>	<p>X</p> <hr/> <p>QA Review Quality Assurance</p>
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Raw data is available upon request.