



Short Tandem Repeat

Requestor: David Broderick, Boston University

Samples Received: 29Jul21

STR Amplification Date: 03Aug21

Form SOP-89.01

Version 7.0

Sample Name	PCD1-6-Cr3 p30
Label on tube	87231
FGA	21, 23
TPOX	8, 8
D8S1179	14, 14
vWA	16, 16
Amelogenin	X, X
Penta_D	9, 12
CSF1PO	10, 10
D16S539	11, 11
D7S820	10, 11
D13S317	9, 13
D5S818	13, 13
Penta_E	11, 15
D18S51	15, 21
D21S11	30, 32.2
TH01	8, 9.3
D3S1358	16, 16
Allelic Polymorphisms	23
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 23-27 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%.

8/5/2021	8/5/2021	8/6/2021
X Callum Walker	X Amber Kuhn	X Dawn Graham
Tech #1 Characterization Signed by: Walker, Callum	Tech #2 Characterization Signed by: Kuhn, Amber	QA Review Quality Assurance Signed by: Graham, Dawn

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Raw data is available upon request.