Short Tandem Repeat

Requestor: Rhiannon Darling, Boston University
Samples Received: 09Nov23
STR Amplification Date: 15Nov23

Sample Name	PCD3-9 p8
WiCell CTR No.[1]	99544
FGA	19, 19
TPOX	8, 8
D8S1179	12, 14
vWA	16, 16
Amelogenin	X, X
Penta_D	9, 12
CSF1PO	10, 12
D16S539	11, 11
D7S820	10, 11
D13S317	12, 13
D5S818	9, 11
Penta_E	12, 14
D18S51	14, 22
D21S11	28, 30
TH01	6, 9
D3S1358	15, 18
Allelic Polymorphisms	26
Matches*	
Comments	

**Note: The STR profile of the following sample is a 100% match for the given sample/samples unless otherwise specified.*

[1] CTR No.: Characterization Test Request Number; also known as a laboratory accessioning number.

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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 26 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 ~2-4%.

Amended Report Comment, Client Request: This report has been updated to create individual reports for samples submitted on 09Nov23 at the request of the client on 28Nov23.

11/28/2023 X Amber Kuhn Tech #1 Characterization Signed by: Kuhn, Amber	11/30/2023 X Anna Lisa Larson Tech #2 Characterization Signed by: Larson, Anna Lisa	11/30/2023 X Ryen Smith QA Review Quality Assurance Signed by: Smith, Ryen