



# Short Tandem Repeat

Requestor: David Broderick, Boston University

Samples Received: 09Sep21

STR Identification Date: 13Sep21

Form SOP-89.01

Version 7.0

Sample Name	PiZZ102-37B-Cr2 Px+9(3)
Label on tube	88321
FGA	20, 25
TPOX	8, 11
D8S1179	13, 13
vWA	14, 16
Amelogenin	X, X
Penta_D	10, 14
CSF1PO	12, 12
D16S539	12, 12
D7S820	10, 11
D13S317	10, 12
D5S818	11, 12
Penta_E	7, 15
D18S51	18, 19
D21S11	28, 28
TH01	8, 9.3
D3S1358	14, 17
Allelic Polymorphisms	26
Matches*	
Comments	

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



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STR Amplification Date: 13Sep21

**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%.

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