



Short Tandem Repeat

Requestor: Marianne James,
Boston University

Samples Received: 19May21

STR Amplification Date: 24May21, 26May21

Form SOP-89.01
Version 4.0

Sample Name	BU2-15-Cr10 p30
Label on tube	86270
FGA	21, 22
TPOX	8, 8
D8S1179	14, 14
vWA	16, 19
Amelogenin	X, Y
Penta_D	12, 14
CSF1PO	12, 15
D16S539	12, 13
D7S820	10, 13
D13S317	11, 14
D5S818	11, 11
Penta_E	10, 12
D18S51	14, 14
D21S11	29, 30
TH01	7, 9.3
D3S1358	14, 14
Allelic Polymorphisms	25
Matches*	
Comments	

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



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Results: The genotypic profiles comprise a range of 25-28 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 suggest 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%.

Microvariant: Samples 86267 and 86271 have microvariants at the D18S51 loci with a size between 12 bp and 13 bp.

Matches: Sample 86268 is an exact match to 77672, 77673, 77674, 82830, and 85081.

6/1/2021

6/1/2021

6/2/2021

X Hannah Rueth

X Callum Walker

X Dawn Graham

Tech # 1
Characterization
Signed by: Rueth, Hannah

Tech #2
Characterization
Signed by: Walker, Callum

QA Review
Quality Assurance
Signed by: Graham, Dawn

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Raw data is available upon request.