



# Short Tandem Repeat

Requestor: Marianne James, Boston University

Samples Received: 22Mar23

STR Amplification Date: 27Mar23

Form SOP-89.01

Version 12.0

Sample Name	BU3 AG L101P P57
WiCell CTR No. <sup>1</sup>	96370
FGA	20, 24
TPOX	11, 11
D8S1179	14, 14
vWA	16, 18
Amelogenin	X, Y
Penta_D	12, 12
CSF1PO	10, 11
D16S539	9, 13
D7S820	9, 11
D13S317	12, 12
D5S818	10, 11
Penta_E	12, 14
D18S51	15, 16
D21S11	29, 32
TH01	7, 9.3
D3S1358	14, 15
Allelic Polymorphisms	26
Matches*	See Matches Comment
Comments	

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

<sup>1</sup> 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 25 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%.

**Matches:** Sample 96370 is a 100% match to 96367, 77672, 77673, 77674, 82830, 85081, 86268, 92643, 95033, 95034.

**Amended Report:** This report has been updated to create a separate report for sample 96370 at the request of the client on 25Mar24.

3/29/2024	3/29/2024	3/29/2024
<b>X</b> Amber Kuhn	<b>X</b> Anna Lisa Larson	<b>X</b> Ryen Smith
<hr/> Tech #1 Characterization Signed by: Kuhn, Amber	<hr/> Tech #2 Characterization Signed by: Larson, Anna Lisa	<hr/> QA Review Quality Assurance Signed by: Smith, Ryen

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