

Short Tandem Repeat Analysis

Requestor: WiCell Cytogenetics:

Boston University

Receive Date: 07/29,

Report Sent: 08/04/:

Label on tube	BU3-10-Cr2 p.30 (77673) CP02
Label on Report	BU3-10-Cr2 p.30 (77673) CP02
conc (ng/μL)	-80.3
A260/280	2.05
Assay Date	7/30/19
File Name	STR 190731 wmr
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*	77672, 77674
Comments	

Short Tandem Repeat Analysis

Results: Based on the cells submitted by WiCell Cytogenetics for Boston University dated and received on 07/29/19, these samples define the STR profiles of the human cell lines as indicated by name. The genotypic profiles comprised 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 ~2-5%.

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

X *RMB*

Digitally Signed on 08/04/19

Rebecca M. Baus, BA

TRIP Laboratory, Molecular

X *WMR*

Digitally Signed on 08/04/19

William M. Rehrauer, PhD, Director / Co-Director

UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

Testing was accomplished by analysis of human genetic polymorphisms at STR loci. This methodology has not yet been approved by the FDA and is for investigational use only.

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