

# Short Tandem Repeat Analysis

Requestor: WiCell Cytogenetics:

Boston University

Receive Date: 07/29,

Report Sent: 08/04/:

<b>Label on tube</b>	BU3 NGST p.x+16 (77672) CP02
<b>Label on Report</b>	BU3 NGST p.x+16 (77672) CP02
<b>conc (ng/μL)</b>	11.8
<b>A260/280</b>	1.86
<b>Assay Date</b>	7/30/19
<b>File Name</b>	STR 190731 wmr
<b>FGA</b>	20,24
<b>TPOX</b>	11,11
<b>D8S1179</b>	14,14
<b>vWA</b>	16,18
<b>Amelogenin</b>	X,Y
<b>Penta_D</b>	12,12
<b>CSF1PO</b>	10,11
<b>D16S539</b>	9,13
<b>D7S820</b>	9,11
<b>D13S317</b>	12,12
<b>D5S818</b>	10,11
<b>Penta_E</b>	12,14
<b>D18S51</b>	15,16
<b>D21S11</b>	29,32
<b>TH01</b>	7,9.3
<b>D3S1358</b>	14,15
<b>Allelic Polymorphisms</b>	26
<b>Matches*</b>	77673, 77674
<b>Comments</b>	

## 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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