

### **Thaw and Culture Details**

Cell Line Name	WC032i-6007-1					
WiCell Lot Number	WB66540					
Provider	University of Wisconsin – Laboratory of Anita Bhattacharyya					
Banked By	WiCell					
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate.					
	Feeder Independent					
	Medium: mTeSR™1					
	Matrix: Matrigel®					
Protocol	WiCell Feeder Independent mTeSR™1 Protocol					
Passage Number	p10					
These cells were cultured for 9 passages prior to freeze and post reprogramming. WiCell the passage number to best represent the overall passage number of the cells at thaw.						
Date Vialed	18-August-2017					
Vial Label	WC032i-60-07-1					
	p10 WB66540					
Biosafety and Use Information	Appropriate biosafety precautions should be followed when working with these cells. The end user is responsible for ensuring that the cells are handled and stored in an appropriate manner. WiCell is not responsible for damages or injuries that may result from the use of these cells. Cells distributed by WiCell are intended for research purposes only and are not intended for use in humans.					

**Testing Performed by WiCell** 

Test Description	Test Provider	Test Method	Test Specification	Result
Karyotype by G-banding	WiCell	SOP-CH-003	Expected karyotype	Pass
Post-Thaw Viable Cell Recovery	WiCell	≥ 15 Undifferentiated Colonies, ≤ 30% Differentiation and recoverable attachment after passage		Pass
Identity by STR	UW Translational Pove Research Initiatives in Pathology Laboratory		Defines profile	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass

Approval Date	Quality Assurance Approval		
	9/25/2017		
21-September-2017	X RK  RK  Quality Assurance Sioned by Kemers, Erik		



### Chromosome Analysis Report: 067699

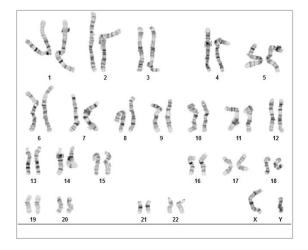
Date Reported: Tuesday, September 12, 2017

Cell Line: WC032i-6007-1-WB66540 12780

Passage#: 10

Date of Sample: 8/29/2017 Specimen: Human IPS

Results: 46,XY



Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator: Katie Remondini, WiCell CDM

Cell: 31 Slide: 3

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8

Total Karyogrammed: 4
Band Resolution: 400 - 550

#### Interpretation:

This is a normal karyotype. No clonal abnormalities were detected at the stated band level of resolution.

Completed by: Erik McIntire, CG(ASCP)
Reviewed and Interpreted by: Kathy Richkind, PhD, FACMG

A signed copy of this report is available upon request.

Date:	Sent By:	Sent To:	QC Review By:

Limitations: This assay allows for microscopic visualization of numerical and structural chromosome abnormalities. The size of structural abnormality that can be detected is >3-10Mb, dependent upon the G-band resolution obtained from this specimen. For the purposes of this report, band level is defined as the number of G-bands per haploid genome. It is documented here as "band level", i.e., the range of bands determined from the four karyograms in this assay. Detection of heterogeneity of clonal cell populations in this specimen (i.e.,mosaicism) is limited by the number of metaphase cells examined, documented here as "# of cells counted".

This assay was conducted solely for listed investigator/institution. The results may not be relied upon by any other party without the prior written consent of the Director of the WiCell Cytogenetics Laboratory. The results of this assay are for research use only. If the results of this assay are to be used for any other purpose, contact the Director of the WiCell Cytogenetics Laboratory.

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# Short Tandem Repeat Analysis

WiCell® info@wicell.org (888) 204-1782

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular)

http://www.pathology.wisc.edu/research/trip

**Sample Report:** 12780-STR

Sample Name on Tube: 12780-STR

 $54.8 \text{ ng/}\mu\text{L}$ , (A260/280=2.04)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute
Ouality Department

**Sample Date:** N/A

**Receive Date:** 09/05/17 **Assay Date:** 09/12/17

File Name: 170913 STR WMR

**Report Date:** 09/15/17

STR Locus	STR Locus STR Genotype Repeat #							
FGA	<b>FGA</b> 16–18,18.2,19,19.2,20,20.2,21,21.2,22, 22.2, 23, 23.2, 24, 24.2, 25, 25.2, 26–30, 31.2, 43.2, 44.2,45.2, 46.2							
TPOX	6-13	8,9						
D8S1179	7-18	12,13						
vWA	10-22	16,18						
Amelogenin	X,Y	X,Y						
Penta_D	2.2, 3.2, 5, 7-17	9,12						
CSF1PO	6-15	9,10						
D16S539	5, 8-15	9,11						
D7S820	6-14	11,11						
D13S317	7-15	9,12						
D5S818	7-16	10,12						
Penta_E	5-24	5,17						
D18S51	8-10, 10.2, 11-13, 13.2, 14-27	14,16						
D21S11	<b>D21S11</b> 24,24.2,25,25.2,26-28,28.2,29,29.2, 30, 30.2,31, 31.2,32,32.2,33,33.2, 34,34.2,35,35.2,36-38							
TH01	4-9,9.3,10-11,13.3	9,9.3						
D3S1358	12-20	15,17						

<u>Results:</u> Based on the 12780-STR cells submitted by WiCell QA dated and received on 09/05/17, this sample (Label on Tube: 12780-STR) defines the STR profile of the human stem cell line WC032i-6007-1 comprising 29 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WC032i-6007-1 stem cell line were detected and 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. This result suggests that the 12780-STR sample submitted corresponds to the WC032i-6007-1 stem cell line and was not contaminated with any other human stem cells or a significant amount of mouse feeder layer cells.

<u>Sensitivity:</u> Sensitivity limits for detection of STR polymorphisms unique to either this or other human stem cell lines is ~2-5%.

 $\mathbf{X}$  RMB

Digitally Signed on

09/15/17

 $\mathbf{X}$  WMR

Digitally Signed on

/15/17

Rebecca M. Baus TRIP Laboratory, Molecular William M. Rehrauer, PhD, Director / Co-Director UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

## Native Product Sterility Report



SAMPLE #:

17081530

DATE RECEIVED:

24-Aug-17

TEST INITIATED:

25-Aug-17

TEST COMPLETED:

08-Sep-17

SAMPLE NAME / DESCRIPTION:

WA09-RB66490 12757

WA09-RB66492 12758

WA09-RB66493 12759

WC026i-5807-3 WB66538 12760 WC032i-6007-1-WB66540 12761 WC033i-6007-2-WB66539 12762 STAN008i-165-1-DB31100 12763 STAN009i-165-2-DB31110 12764 STAN053i-149-1-DB30924 12765 STAN001i-047-1-DB31118 12766

UNIQUE IDENTIFIER:

NΔ

PRODUCT REGISTRATION:

Human iPS cells

TEST RESULTS:

WiCell

504 S Rosa Rd, Rm 101

Madison, WI 53719

	# Positives	
# Tested	(Growth)	- Control
10	0	2 Negatives

TEST SUMMARY:

# Samples	Media Type	Volume (mL)	Incubation Temperature (° C)	Incubation Duration (Days)
10	TSB	40	20 - 25	14
10	FTG	40	30 - 35	14

REFERENCE:

Processed according to LAB-003: Sterility Test Procedure

METHOD VALIDATION / PD #:

000053

**TEST METHODOLOGY:** 

**USP** - Direct Transfer

## Native Product Sterility Report



COMMENTS:

Sample # 17081530

REVIEWED BY Dessone

DATE USEPIT

Specific test results may not be indicative of the characteristics of any other samples from the same lot or similar lots. This test report shall not be reproduced, except in full, without prior written approval. Liability is limited to the costs of the tests.



## Mycoplasma Detection Assay Report Testing Performed by WiCell

Testing Performed by WiCell Lot Release Testing August 28, 2017

FORM SOP-QU-004.01 Version F Edition 02 Reported by: KR Reviewed by: JB Berthold Flash n' Glo 539

		Reading A		A	Read	ling B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	WC032i-6007-1-WB66540 12780	83	81	82	32	30	31	0.38	Negative	
2	Positive (+) Control	165	166	165.5	17611	17643	17627	106.51	Positive	
3	Negative (-) Control	257	263	260	36	30	33	0.13	Negative	

