

## **Thaw and Culture Details**

Cell Line Name	UCSD057i-61-1						
WiCell Lot Number	WB55674						
Provider	University of California, San Diego – Dr. Kelly Frazer						
Banked By	WiCell						
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 4 wells of a 6 well plate.						
Culture Platform	Feeder Independent						
	Medium: TeSR™1						
	Matrix: Matrigel®						
Protocol	WiCell Feeder Independent mTeSR™1 Protocol						
Passage Number	p19 These cells were cultured for 18 passages prior to freeze and post reprogramming. WiCell adds +1 to the passage number to best represent the overall passage number of the cells at thaw.						
Date Vialed	21-December-2016						
Vial Label	UCSD057i-61-1 p19 WB55674						
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			
	WiCell	SOP-CH-003	Expected karyotype	See Report			
Results: 47,XY,+i(12)(p10)[3]/46,XY[17] Interpretation: This is an abnormal karyotype, with an isochromosome ("i") of the short (p) are chromosome 12 in three of twenty cells examined. This imbalance results in tetrasomy for 12p copies of chromosome 12p are recurrent acquired aberrations in human pluripotent stem cell							
	cultures. No other clonal a	bnormalities were fou					
Post-Thaw Viable Cell Recovery	WiCell	SOP-CH-305	≥ 15 Undifferentiated Colonies, ≤ 30% Differentiation and recoverable attachment after passage	Pass			
Identity by STR	UW Translational Research Initiatives in Pathology Laboratory	PowerPlex 16 HS System by Promega	Defines profile	Pass			
Sterility	Steris	ST/07	Negative	Pass			
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass			



### **Testing Reported by Provider**

The Provider stated that some or all of the additional analyses listed below may have been performed for this cell line. For more information, publication and dbGaP links, where available, are provided on the cell line specific web page on the WiCell website.

- Illumina® HumanCoreExome BeadChip Array
- RNA-Seq
- Flow Cytometry (SSEA-4, Tra 1-81)
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGAEX)

Approval Date	Quality Assurance Approval		
26-January-2017	3/29/2018  X HEB  HEB  Quality Assurance Signed by: Bruner, Haley		



### Chromosome Analysis Report: 070690

Date Reported: Monday, March 05, 2018

Cell Line: UCSD057i-61-1-WB55674 13487

Passage#: 19

Date of Sample: 2/27/2018 Specimen: Human IPS

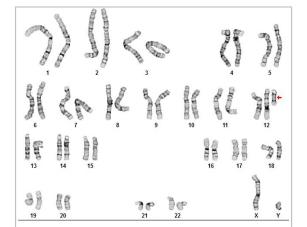
Results: 47,XY,+i(12)(p10)[3]/46,XY[17]

Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator:

, WiCell CDM



Cell: 17 Slide: G03

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 9

Total Karyogrammed: 5 Band Resolution: 500 - 550

#### Interpretation:

This is an abnormal karyotype, with an isochromosome ("i") of the short (p) arm of chromosome 12 in three of twenty cells examined. This imbalance results in tetrasomy for 12p. Extra copies of chromosome 12p are recurrent acquired aberrations in human pluripotent stem cell cultures. No other clonal abnormalities were found.

Completed by:

Reviewed and Interpreted by:

, CG(ASCP) , 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 to be used for any other purpose, contact the Director of the WiCell Cytogenetics Laboratory.

Unless otherwise mutually agreed in writing, the services provided to you hereunder by WiCell Research Institute, Inc. ("WiCell") are governed solely by WiCell's Terms and Conditions of Service, found at www.wicell.org/privacyandterms. Any terms you may attach to a purchase order or other document that are inconsistent, add to, or conflict with WiCell's Terms and Conditions of Service are null and void and of no legal force or effect.



# Short Tandem Repeat Analysis

HISTOLOGY - IHC - MOLECULAR - IMAGING

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular)

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

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

Sample Report:

13487-STR

**Sample Name on Tube:** 13487-STR

83.3 ng/µL, (A260/280=1.92)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute Quality Department Sample Date: N/A Receive Date: 03/05/18 Assav Date: 03/06/18

File Name: STR 180307 wmr

**Report Date:** 03/13/18

STR Locus	STR Genotype Repeat #	STR Genotype					
FGA	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	Identifying information has					
TPOX							
D8S1179	7-18	protect donor					
vWA	10-22	confidentiality. If					
Amelogenin	X,Y	more information is required,					
Penta_D	nta_D 2.2, 3.2, 5, 7-17						
CSF1PO							
D16S539	5, 8-15	WiCell's Technical Support.					
D7S820	6-14	<u> образи</u>					
D13S317	D13S317       7-15         D5S818       7-16         Penta_E       5-24         D18S51       8-10, 10.2, 11-13, 13.2, 14-27						
D5S818							
Penta_E							
D18S51							
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 <b>TH01</b> 4-9,9.3,10-11,13.3						
TH01							
D3S1358	12-20						

<u>Results:</u> Based on the 13487-STR cells submitted by WiCell QA dated and received on 03/05/18, this sample (Label on Tube: 13487-STR) defines the STR profile of the human stem cell line UCSD057i-61-1 comprising 26 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human UCSD057i-61-1 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 13487-STR sample submitted corresponds to the UCSD057i-61-1 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%.

X RMB Digitally Signed on 03/14/18

Digitally Signed on 03/14/18

Digitally Signed on 03/14/18

PhD, Director / Co-Director
UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

## Native Product Sterility Report



SAMPLE #:

17121502

WiCell

DATE RECEIVED:

21-Dec-17

504 S. Rosa Rd., Rm 101 Madison, WI 53719 TEST INITIATED:

26-Dec-17

**TEST COMPLETED:** 

09-Jan-18

SAMPLE NAME / DESCRIPTION:

UCSD050i-54-1 WB54411 13186 UCSD051i-55-1 WB54717 13187 UCSD052i-56-1 WB57717 13188 UCSD053i-57-1 WB55067 13189 UCSD054i-58-1 WB55461 13190 UCSD055i-59-1 WB54168 13191 UCSD056i-60-1 WB57571 13192 UCSD057i-61-1 WB55674 13193 UCSD058i-62-1 WB57057 13194 UCSD059i-63-1 WB63472 13195 UCSD060i-64-1 WB57102 13196 UCSD063i-20-1 WB62421 13197 WISCO15i-SC7 WB66708 13198 UCSD235i-SAD2-4 WB66703 13199

STAN053i-149-1 WB66707 13200 HVRDi002-A WB66709 13201 WISCO14i-SC1 WB66706 13202 CREM032i-SS48-1 WB66711 13203 UCSD207i-31-2 WB66716 13204

UCSD065i-20-3 WB60829 13205

UNIQUE IDENTIFIER:

NA

PRODUCT REGISTRATION:

Other: Human iPS cells

**TEST RESULTS:** 

# Tested	# Positives (Growth)	- Control
20	0	2 Negatives

**TEST SUMMARY:** 

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

REFERENCE:

Processed according to LAB-003: Sterility Test Procedure

METHOD VALIDATION / PD #:

000053

STERIS Laboratories, Inc. 9303 West Broadway Ave Brooklyn Park, MN 55445

LAB-003 rev 30 Form 5 Effective: 2017-08-29 Page 1 of 2

# Native Product Sterility Report



1	FQT	MET	HOD	$\cap$	OGY:	
ı	E01		пор	UL	UGT.	

USP - Direct Transfer

**COMMENTS:** 

Sample # 17121502

REVIEWED BY Wessel

DATE 10JANI8

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 March 1, 2018 FORM SOP-QU-004.01 Version G Edition 02 Reported by: AP Reviewed by: JB BD Monolight 180

		Read	ing A	A Reading B		В	Ratio			
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	UCSD057i-61-1-WB55674 13487	287	279	283	118	117	117.5	0.42	Negative	
2	Positive (+) Control	388	400	394	34112	34379	34246	86.92	Positive	
3	Negative (-) Control	706	732	719	101	92	96.5	0.13	Negative	

