

### **Thaw and Culture Details**

Cell Line Name	UCSD013i-16-3							
WiCell Lot Number	WB61874							
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: mTeSR™1							
	Matrix: Matrigel®							
Protocol	WiCell Feeder Independent mTeSR™1 Protocol							
Passage Number  p23 These cells were cultured for 22 passages prior to freeze and post reprogramming. WiCell adds the passage number to best represent the overall passage number of the cells at thaw.								
Date Vialed	29-March-2017							
Vial Label	UCSD013i-16-3 p23 WB61874							
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** 

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Test Description	Test Provider	Test Method	Test Specification	Result					
	WiCell	SOP-CH-003	Expected karyotype	See Report					
Karyotype by G-banding	Results: 46,XY Nonclonal finding: 46,XY,-8,+mar Interpretation: This is a normal karyotype. No clonal abnormalities were detected at the st band level of resolution. There is one nonclonal finding, listed above. Nonclonal findings likel from technical artifact, but may be due to a developing clonal abnormality or to low-level mos								
Post-Thaw Viable Cell Recovery	WiCell	SOP-CH-305	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								



### **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 (MEGA<sup>EX</sup>)

Approval Date	Quality Assurance Approval			
23-May-2017	7/16/2018  X JKG  JKG  Qualify Assurance Signed by Gay, Jenna			



#### Chromosome Analysis Report: 071194

Date Reported: Wednesday, April 11, 2018

Cell Line: UCSD013i-16-3-WB61874 13568

Passage#: 23

Date of Sample: 4/3/2018 Specimen: Human IPS

Results: 46,XY

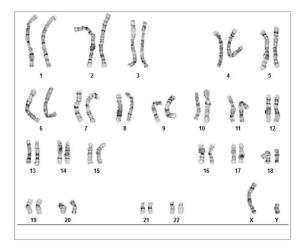
Nonclonal finding: 46,XY,-8,+mar

Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator:

WiCell



Cell: 47 Slide: G05

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 9
Total Karyogrammed: 4
Band Resolution: 475 - 600

#### Interpretation:

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

There is one nonclonal finding, listed above. Nonclonal findings likely result from technical artifact, but may be due to a developing clonal abnormality or to low-level mosaicism.

Completed by: Reviewed and Interpreted by:



, PhD, FACMGG

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** 

info@wicell.org (888) 204-1782

HISTOLOGY - IHC - MOLECULAR - IMAGING

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular)

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

**Sample Report:** 

13568-STR

Sample Name on Tube: 13568-STR

 $136.4 \text{ ng/}\mu\text{L}$ , (A260/280=1.80)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute Quality Department

**Receive Date:** 04/09/18 **Assay Date:** 04/11/18

File Name: STR 180411 wmr

**Report Date:** 04/16/18

Sample Date: N/A

STR Locus	ocus STR Genotype Repeat #								
FGA	44.2,45.2, 46.2								
TPOX									
D8S1179	7-18	protect donor							
vWA	WA 10-22								
Amelogenin	X,Y	more information is required,							
Penta_D	a_D 2.2, 3.2, 5, 7-17								
CSF1PO									
D16S539	<b>6S539</b> 5, 8-15								
D7S820	D13S317     7-15       D5S818     7-16       Penta_E     5-24       D18S51     8-10, 10.2, 11-13, 13.2, 14-27								
D13S317									
D5S818									
Penta_E									
D18S51									
D21S11									
TH01									
D3S1358	12-20								

Results: Based on the 13568-STR cells submitted by WiCell QA dated and received on 04/11/18, this sample (Label on Tube: 13568-STR) defines the STR profile of the human stem cell line UCSD013i-16-3 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human UCSD013i-16-3 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 13568-STR sample submitted corresponds to the UCSD013i-16-3 stem cell line and was not contaminated with any other human stem 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 stem cell lines is  $\sim 2-5\%$ .

 $\mathbf{X}$  WMR  $\mathbf{X}$  RMB **Digitally Signed on** 04/18/18 Digitally Signed on 04/18/18 , PhD, Director / Co-Director BATRIP Laboratory, Molecular UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

## Native Product Sterility Report



WiCell

504 S Rosa Rd., RM 101

Madison, WI 53719

CORRECTED

SAMPLE #:

17120390

DATE RECEIVED:

07-Dec-17

TEST INITIATED:

11-Dec-17

**TEST COMPLETED:** 

26-Dec-17

SAMPLE NAME / DESCRIPTION:

UCSD125i-7-2 WB66673 13110 UCSD174i-18-2 WB66672 13111 UCSD177i-17-2 WB66671 13112 WISC011i-inGFPpuro WB66670 13113

WISC011i-inGFPpuro WB66670 131:
UCSD008i-44-1 WB66287 13114
UCSD006i-21-1 WB57101 13116
UCSD007i-21-2 WB54928 13117
UCSD013i-16-3 WB61874 13118
UCSD014i-21-3 WB55344 13119
UCSD022i-8-3 WB59011 13120
UCSD023i-8-4 WB58972 13121
UCSD024i-13-3 WB58691 13122
UCSD025i-13-4 WB63445 13123
UCSD026i-9-1 WB54736 13124
UCSD028i-9-3 WB54172 13125
UCSD029i-9-4 WB63527 13126

UCSD030i-23-2 WB58975 13127 UCSD031i-45-1 WB58276 13128 UCSD032i-41-1 WB64803 13129

UCSD085i-6-2 WB61664 13139

**UNIQUE IDENTIFIER:** 

NA

PRODUCT REGISTRATION:

**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



**TEST METHODOLOGY:** 

USP - Direct Transfer

**COMMENTS:** 

Report revised due to incorrect sample name/description.

REVIEWED BY

DATE STANG

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 April 02, 2018

FORM SOP-QU-004.01 Version G Edition 02 Reported by: AP Reviewed by: DF BD Monolight 180

		Reading A		A	Read	ling B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	UCSD013i-16-3-WB61874 13568	193	200	196.5	53	55	54	0.27	Negative	
2	Positive (+) Control	419	445	432	15351	15644	15498	35.87	Positive	
3	Negative (-) Control	823	818	820.5	82	87	84.5	0.10	Negative	

