

## **Thaw and Culture Details**

Cell Line Name	UCSD172i-101-1						
WiCell Lot Number	WB58971						
Provider	University of California, San Diego – Dr. Kelly Frazer						
Banked By	WiCell						
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate.						
Culture Platform	Feeder Independent						
	Medium: mTeSR™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 at to the passage number to best represent the overall passage number of the cells at thaw.							
Date Vialed	03-February-2017						
Vial Label	UCSD172i-101-1 p19 WB58971						
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	See Report
Post-Thaw Viable Cell Recovery	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		≥ 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
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		
18-February-2017	S/28/2018  X JKG  JKG  Quality Assurance Signed by Gay, Jenna		



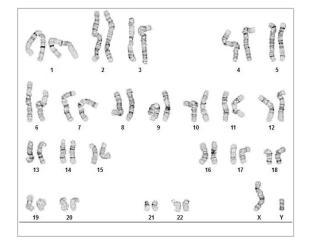
#### Chromosome Analysis Report: 070875

Date Reported: Tuesday, March 20, 2018
Cell Line: UCSD172i-101-1-WB58971 13495

Passage#: 19

Date of Sample: 3/13/2018 Specimen: Human IPS

Results: 46,XY



Cell Line Gender: Male

Reason for Testing: Lot release testing

Investigator: , WiCell

Cell: 25 Slide: G03

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8

Total Karyogrammed: 4
Band Resolution: 450 - 550

QC Review By: \_\_\_\_

#### Interpretation:

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

Sent By:\_\_\_\_ Sent To:\_

Completed by:	CG(ASCP)	
Reviewed and Interpreted by:		PhD, FACMGG

A signed copy of this report is available upon request.

Director of the WiCell Cytogenetics Laboratory.

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, be	and 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 karvogran	ns 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

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# 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:** 13495-STR

Sample Name on Tube: 13495-STR

 $70.8 \text{ ng/}\mu\text{L}$ , (A260/280=1.81)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute Quality Department **Sample Date:** N/A **Receive Date:** 03/19/18

**Assav Date:** 03/21/18

File Name: STR 180322 wmr

**Report Date:** 03/27/18

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	<b>CPOX</b> 6-13					
D8S1179	7-18	protect donor				
vWA	10-22	confidentiality. If				
Amelogenin	X,Y	more information				
Penta_D	2.2, 3.2, 5, 7-17	is required,				
CSF1PO	6-15	please, contact WiCell's Technical				
D16S539	5, 8-15	Support.				
D7S820	6-14					
D13S317	7-15					
D5S818	7-16					
Penta_E	5-24					
D18S51	8-10, 10.2, 11-13, 13.2, 14-27					
D21S11	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					
D3S1358	12-20					

<u>Results:</u> Based on the 13495-STR cells submitted by WiCell QA dated and received on 03/19/18, this sample (Label on Tube: 13495-STR) defines the STR profile of the human stem cell line UCSD172i-101-1 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human UCSD172i-101-1 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 13495-STR sample submitted corresponds to the UCSD172i-101-1 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  $\sim 2-5\%$ .

# Native Product Sterility Report



SAMPLE #:

DATE RECEIVED:

18010216

WiCell

04-Jan-18

TEST INITIATED:

08-Jan-18 22-Jan-18

Madison, WI 53719 TEST COMPLETED:

UCSD140i-37-1 WB59010 13213 UCSD163i-95-1 WB58969 13214

UCSD172i-101-1 WB58971 13215

UCSD179i-27-1 WB58928 13216

UCSD212i-32-2 WB58930 13217

UCSD213i-14-1 WB58781 13218

00002101171700000115210

UCSD214i-14-2 WB58929 13219

UCSD219i-117-1 WB59167 13220

UCSD200i-4-1 WB66717 13221

WISC012i-SCA WB66718 13222

**UNIQUE IDENTIFIER:** 

504 S. Rosa Rd., Rm 101

SAMPLE NAME / DESCRIPTION:

NA

PRODUCT REGISTRATION:

Other: Human iPS cells

**TEST RESULTS:** 

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

**TEST SUMMARY:** 

# Samples	Media Type	Media Type Volume (mL)		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

COMMENTS:

NA

**REVIEWED BY** 

lessad

DATE 235 AIVIS

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 16, 2018 FORM SOP-QU-004.01 Version G Edition 02 Reported by: KR Reviewed by: JB BD Monolight 180

		Reading A		A Reading B		В	Ratio			
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	UCSD172i-101-1-WB58971 13495	228	221	224.5	105	94	99.5	0.44	Negative	
2	Positive (+) Control	351	348	349.5	12061	12229	12145	34.75	Positive	
3	Negative (-) Control	572	585	578.5	86	75	80.5	0.14	Negative	

