

# **Thaw and Culture Details**

Cell Line Name	WISC014i-SC1						
WiCell Lot Number	WB66706						
Provider	University of Wisconsin – Dr. Igor Slukvin						
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™-E8™						
	Matrix: Matrigel®						
Protocol	WiCell Feeder Independent E8 Medium Protocol						
Passage Number	p53 Cells were modified from WISC011i-inGFPpuro at passage 40. These cells were cultured for 12 passages post modification and prior to freeze. WiCell adds +1 to the passage number at freeze to best represent the overall passage number of the cells at thaw. Plated cells at thaw should be labeled passage 53.						
Date Vialed	11-DECEMBER-2017						
Vial Label	WISC014i-SC1 p13 WB66706						
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	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
Expression of Reporter Proteins	WiCell	SOP-CH-032	Expression of reporter proteins reported	Pass

Approval Date	Quality Assurance Approval
19-May-2018	S/19/2018  X JKG  Quality Assurance Signed by, Gay, Jenna



### Chromosome Analysis Report: 070103

Date Reported: Wednesday, January 17,

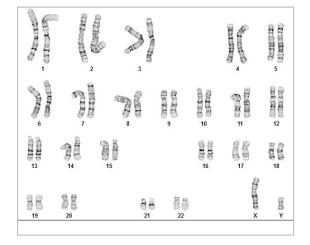
2018

Cell Line: WISC014i-SC1-WB66706 13208

Passage#: 13

Date of Sample: 1/11/2018 Specimen: Human IPSC

Results: 46,XY



Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator: , WiCell CDM

Cell: 43 Slide: G01

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8

Total Karyogrammed: 4
Band Resolution: 475 - 525

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

#### Interpretation:

Date:

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

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

cell populations in this specimen (i.e.,mosaicism) is limited by the number of metaphase cells examined, documented here as "# of cells counted".

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

A signed copy of this report is available upon request.

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

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

**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:** 

13208-STR

Sample Name on Tube: 13208-STR

 $115.3 \text{ ng/}\mu\text{L}, (A260/280=1.88)$ 

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute
Quality Department

**Receive Date:** 01/22/18 **Assay Date:** 01/23/18

Sample Date: N/A

File Name: 180124 STR TCS

**Report Date:** 01/26/18

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	6-13	been redacted to			
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, please, contact WiCell's Technical			
CSF1PO	6-15				
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 13208-STR cells submitted by WiCell QA dated and received on 01/22/18, this sample (Label on Tube: 13208-STR) defines the STR profile of the human stem cell line WISC014i-SC1 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WISC014i-SC1 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 13208-STR sample submitted corresponds to the WISC014i-SC1 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 01/29/18

BA
TRIP Laboratory, Molecular

BA
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.

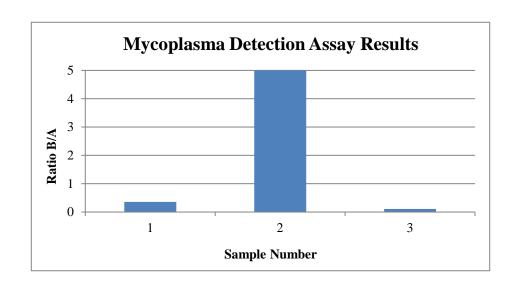


# Mycoplasma Detection Assay Report Testing Performed by WiCell

Testing Performed by WiCell Lot Release Testing January 12, 2018

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

		Read	ing A	A	Read	ing B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	WISC014i-SC1-WB66706 13208	211	215	213	82	70	76	0.36	Negative	
2	Positive (+) Control	340	347	343.5	17780	17867	17824	51.89	Positive	
3	Negative (-) Control	556	577	566.5	66	59	62.5	0.11	Negative	



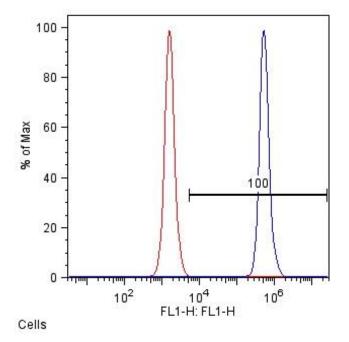


## Flow Cytometry Verification of Reporter Protein Report

Cell Line-Lot Number	WISC014i-SC1-WB66706
Sample ID	13208
Passage Number	p15
Reported By/Date	KR 25JAN18
QA Review By/Date	RK 26Jan18
Percent Positive for Reporter Protein	100%
Deviations from Procedure	⊠ N/A
Notes	⊠ N/A

#### **Histogram Plot Indicating Positive Percentage of the Reporting Gene**

Red peak is negative control population. Blue peak is test population.





Print Date: 29-Jan-18 Page 1 of 1