

Thaw and Culture Details

Cell Line Name	WISC012i-SCA						
WiCell Lot Number	WB66718						
Provider	University of Wisconsin – Dr. Igor Slukvin						
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 colony picking. Wide the passage number at freeze to best represent what the overall passage number of the Plated cells at thaw should be labeled passage 19.							
Date Vialed	19-December-2017						
Vial Label	WISC012i-SCA p19 WB66718						
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: 46,XY Nonclonal findings: 47,XY,+10								
Karyotype by G-banding	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 deve	loping clonal abnormality or to low-	evel mosaicism.					
			≥ 15 Undifferentiated Colonies,						
Post-Thaw Viable Cell	WiCell	SOP-CH-305	≤ 30% Differentiation and	Pass					
Recovery	VVICCII	301 -011-303	recoverable attachment after						
			passage						
Identity by STR	UW Translational	PowerPlex 16 HS							
	Research Initiatives in	System by	m by Defines profile Pa						
	Pathology Laboratory	Promega							
Sterility	Steris	ST/07	Negative	Pass					
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass					

Approval Date	Quality Assurance Approval			
14-February-2018	2/14/2018 X JKG JKG Quality Assurance Signed by Gay, Jenna			



Chromosome Analysis Report: 070111

Date Reported: Friday, January 19, 2018
Cell Line: WISC012i-SCA-WB66718 13228

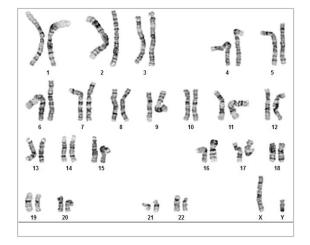
Cell Line: WISCUTZI-SCA-WB00718 1322

Passage#: 19

Date of Sample: 1/12/2018 Specimen: Human IPS

Results: 46,XY

Nonclonal findings: 47,XY,+10



Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator: WiCell CDM

Cell: 35 Slide: G05

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8
Total Karyogrammed: 4
Band Resolution: 450 - 525

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, 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

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:

13228-STR

Sample Name on Tube: 13228-STR

 $129.0 \text{ ng/}\mu\text{L}, (A260/280=1.92)$

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:

WiCell Research Institute Quality Department Sample Date: N/A Receive Date: 01/22/18 Assay Date: 01/23/18

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							
TPOX	6-13	information has been redacted to							
D8S1179	7-18	protect donor							
vWA	10-22	confidentiality. If							
Amelogenin									
Penta_D	2.2, 3.2, 5, 7-17	is required,							
CSF1PO	6-15	please, contact WiCell's Technical Support.							
D16S539	5, 8-15								
D7S820	20 0-14								
D13S317									
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 13228-STR cells submitted by WiCell QA dated and received on 01/22/18, this sample (Label on Tube: 13228-STR) defines the STR profile of the human stem cell line WISC012i-SCA comprising 28 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WISC012i-SCA 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 13228-STR sample submitted corresponds to the WISC012i-SCA 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

X WMR Digitally Signed on 01/29/18

BA
TRIP Laboratory, Molecular

Digitally Signed on 01/29/18

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

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	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

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 January 12, 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	WISC012i-SCA-WB66718 13228	186	175	180.5	71	65	68	0.38	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	

