

Thaw and Culture Details

Cell Line Name	WC011i-CMT2A-1.2						
WiCell Lot Number	WB66645						
Provider	University of Wisconsin – Dr. John Svaren						
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: TeSR™-E8™						
	Matrix: Matrigel®						
Protocol	WiCell Feeder Independent E8 Medium Protocol						
Passage Number	p23 These cells were cultured for 22 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	03-October-2017						
Vial Label	WC011i-CMT2A-1.2 p23 WB66645						
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	WiCell SOP-CH-003 Expected karyo		Pass
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	m by Defines profile	
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	Mycoplasma WiCell		Negative	Pass

Approval Date	Quality Assurance Approval
02-November-2017	RK Quality Assurance Signed by Kremers, Erik



Chromosome Analysis Report: 068765

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

QC Review By: _

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".

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

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

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular)

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

Sample Report: 12964-STR

Sample Name on Tube: 12964-STR

 $81.7 \text{ ng/}\mu\text{L}$, (A260/280=1.70)

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:

WiCell Research Institute Quality Department **Sample Date:** N/A **Receive Date:** 10/16/17

Assay Date: 10/17/17 **File Name:** STR 171018 wmr

Report Date: 10/24/17

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	ta D 2.2, 3.2, 5, 7-17						
CSF1PO	6-15	please, contact WiCell's Technical Support.					
D16S539	5, 8-15						
D7S820	6-14	<u> </u>					
D13S317							
D5S818	D5S818 7-16						
Penta_E	5-24						
D18S51	8-10, 10.2, 11-13, 13.2, 14-27						
D21S11	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	H01 4-9,9.3,10-11,13.3						
D3S1358	12-20						

<u>Results:</u> Based on the 12964-STR cells submitted by WiCell QA dated and received on 10/16/17, this sample (Label on Tube: 12964-STR) defines the STR profile of the human stem cell line WC011i-CMT2A-1.2 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WC011i-CMT2A-1.2 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 12964-STR sample submitted corresponds to the WC011i-CMT2A-1.2 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	10/25/17	X WMR	Digitally Signed on	10/25/17
TRIP La	boratory, Molecular	_	UWHC Molec	PhD, Director / Co-Directular Diagnostics Laboratory / UW	

Native Product Sterility Report



SAMPLE #:

17100438

DATE RECEIVED:

05-Oct-17

TEST INITIATED:

09-Oct-17

TEST COMPLETED:

23-Oct-17

SAMPLE NAME / DESCRIPTION:

JFWT2-WB66611 12952

JFNY3-WB66644 12953

WC010i-CMT2A-1.1-WB66612 12954 WC011i-CMT2A-1.2-WB66645 12955

UCSD104i-2-3-WB54170 12957 UCSD105i-2-4-WB54134 12958 UCSD109i-2-8-WB60929 12959 UCSD110i-2-9-WB57062 12960 UCSD111i-2-10-WB54796 12961 UCSD103i-2-2-WB57649 12963

UNIQUE IDENTIFIER:

NA

PRODUCT REGISTRATION:

Other: Human iPS cells

TEST RESULTS:

WiCell

504 S Rosa Rd, Rm 101

Madison, WI 53719

		# Positives	
L	# 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

DATE 2400717

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 October 11, 2017

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	WC011i-CMT2A-1.2-WB66645 12964	255	260	257.5	83	86	84.5	0.33	Negative	
2	Positive (+) Control	323	324	323.5	28602	28759	28681	88.66	Positive	
3	Negative (-) Control	576	583	579.5	71	73	72	0.12	Negative	

