

### **Thaw and Culture Details**

Cell Line Name	MCW001i-40001487		
WiCell Lot Number	WB67030		
Parent Material	MCW001i-40001487-DB66306		
Provider	Medical College of Wisconsin – Laboratory of Dr. Ulrich Broeckel		
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	p16 These cells were cultured for 15 passages prior to freeze and post colony picking. WiCell adds +1 to the passage number at freeze to best represent what the overall passage number of the cells at thaw. Plated cells at thaw should be labeled passage 16.		
Date Vialed	06-March-2019		
Vial Label	Label MCW001i-40001487 p16 WB67030		
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
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-CH-044	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.

- Tra1-60 marker expression
- mRNA expression by qPCR
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGAEX)



Approval Date	Quality Assurance Approval	
15-April-2019	A/15/2019  X JKG  JKG  Quality Assurance Signed by Gay, Jenna	



### Chromosome Analysis Report: 075762

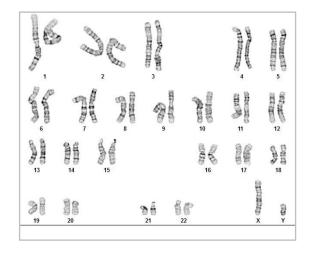
Date Reported: Tuesday, April 02, 2019 Cell Line Sex: Cell Line: MCW001i-40001487-WB67030

14444

Passage#: 16

Date of Sample: 3/22/2019 Specimen: Human IPS

Results: 46,XY



Male

Reason for Testing: lot release testing

Investigator: . WiCell

> Cell: 44 Slide: G03

Slide Type: Karyotype

Total Counted: 20 Total Analyzed: 8

Total Karyogrammed: 4 Band Resolution: 450 - 550

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:\_\_

Completed by:	
Reviewed and Interpreted by:	, PhD, FACMG

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 of this assay are for research use only. Unless otherwise mutually agreed in writing, the services provided to you hereunder by WiCell Research Institute, Inc. ("WiCell") are governed solely by WiCell's Terms and Conditions of Service, found at www.wicell.org/privacyandterms. Any terms you may attach to a purchase order or other document that are inconsistent, add to, or conflict with WiCell's Terms and Conditions of Service are null and void and of no legal force or effect.



## Short Tandem Repeat Analysis



Department of Pathology and Laboratory Medicine
TRIP Laboratory (Molecular)
https://research.pathology.wisc.edu/trip/
(608) 265-9168
Character
(608) 31

characterization@wicell.org (608) 316-4145

**Sample Report:** 14444-STR

Sample Name on Tube: 14444-STR

 $40.1 \text{ ng/}\mu\text{L}, (A260/280=1.45)$ 

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:**WiCell Research Institute
Quality Assurance Department

**Receive Date:** 04/01/19 **Report Sent:** 04/08/19 **Assay Date:** 04/02/19

File Name: STR 190403 wmr

**Report Date:** 04/04/19

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
D8S1179	7-18	been redacted to
vWA	10-22	protect donor
Amelogenin	X,Y	confidentiality. If
Penta_D	2.2, 3.2, 5, 7-17	more information
CSF1PO	6-15	is required, please, contact
D16S539	5, 8-15	WiCell's Technical
D7S820	6-14	Support.
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 14444-STR cells submitted by WiCell QA dated and received on 04/01/19, this sample (Label on Tube: 14444-STR) defines matches the STR profile of the human stem cell line MCW001i-40001487 comprising 25 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human MCW001i-40001487 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 14444-STR sample submitted corresponds to the MCW001i-40001487 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 04/08/19	X WMR	Digitally Signed on	04/08/19
TRIP La	, BA boratory, Molecular	UWHC Mol	, PhD, Director / Co-Directo ecular Diagnostics Laboratory / UWS	

### Native Product Sterility Report



SAMPLE #:

14404

14405

14406

19031144

WiCell

DATE RECEIVED:

14-Mar-19

504 S Rosa Road, Rm 101

**TEST INITIATED:** 

19-Mar-19

Madison, WI 53719

**TEST COMPLETED:** 

DB 36792

DB37019

WB67023

02-Apr-19

SAMPLE NAME / DESCRIPTION:

JHU198i JHU228i CREM026i-SS38-1 STAN068i-168-2 MCW009i-40002262 MCW001i-40001487 LUEL7673i-3 MIN 14i-33363.C STAN349i-762C3

14407 WB67016 WB67029 14408 WB67030 14409

WB67028 14410 WB67034

14411

WB67047 14412

WB67045 14413

UNIQUE IDENTIFIER:

NA

**WA07** 

**TEST RESULTS:** 

# Tested	# Positives (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

PD #:

000053

**TEST METHODOLOGY:** 

**USP** - Direct Transfer

COMMENTS:

Reported as per packing slip.

REVIEWED BY

DATE OZAPAM

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. Results applied to samples as received.



# WiCell

### Mycoplasma Assay Report PCR-based assay performed by WiCell

PCR-based assay performed by WiCell
Lot Release Testing
25Mar19

#	Sample Name	Result	Comments/Suggestions
1	MCW001i-40001487-WB67030 14444	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
2	Positive (+) Control	Positive	
3	Negative (-) Control	Negative	

Reported by: Katie Remondini, Cell Culture Specialist
Reviewed by: Sondra minter, Cell Culture Specialist
Date:\_\_\_\_\_\_ Sent By:\_\_\_\_ Sent To\_\_\_\_\_\_

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 $A\ gel\ image\ is\ available\ upon\ request.$