



## Thaw and Culture Details

Cell Line Name	<b>JHU042i</b>
WiCell Lot Number	<b>WB67618</b>
Parent Material	JHU042i-DB41048
Provider	Johns Hopkins University – Laboratory of Dr. Lewis Becker
Banked By	WiCell
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate using TeSR™-E8™ and Recombinant Human Vitronectin.
Protocol	WiCell Feeder Independent Pluripotent Stem Cell Protocol
Culture Platform Prior to Freeze	Feeder Independent
	Medium: TeSR™-E8™
	Matrix: Recombinant Human Vitronectin
Passage Number	p11 These cells were cultured for 10 passages prior to freeze and post reprogramming. 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 11.
Date Vial	22-January-2021
Vial Label	JHU042i p11 WB67618
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-49	Expected karyotype	See Report
Post-Thaw Viable Cell Recovery	WiCell	SOP-99	≥ 15 Undifferentiated Colonies prior to passage, ≤ 30% Differentiation prior to passage, and recoverable attachment after passage	Pass
Identity by STR	WiCell	PowerPlex 16 HS System by Promega	Consistent with STR profile of deposited cell line	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-79	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.

- Embryoid bodies
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGA<sup>EX</sup>)



Approval Date	Quality Assurance Approval
11-March-2021	<p style="text-align: right;">3/11/2021</p> <p>X JKG</p> <p><small>JKG Quality Assurance Signed by: Gay, Jenna</small></p>

**Date Reported:** Thursday, February 25, 2021

**Cell Line Sex:** Male

**Cell Line:** JHU042i-WB67618

**Reason for Testing:** LOT\_RELEASE

**Submitted Passage #:** 11

**Date of Sample:** 2/18/2021

**Investigator:** WiCell Stem Cell Bank, WiCell

**Specimen:** Human iPSC

**Results:** 46,XY



**Cell:** 32

**Slide:** G03

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 5

**Band Resolution:** 375 - 450

**Interpretation:**

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

**Completed by:** [REDACTED]

**Reviewed and Interpreted by:** [REDACTED] PhD, FACMG

**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 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](http://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

Form SOP-89.01

Version 3.0

Requestor: WiCell Stem Cell Bank, WiCell

Samples Received: 18Feb21, 19Feb21

STR Amplification Date: 22Feb21

Sample Name	PENN005i-35-3-DB36317 p14	JHU042i-WB67618 p11	WA09-RB67629 p30	WA09-RB67628 p30	WA09-RB67626 p29	PENN006i-149-1-DB36519 p13
Label on tube	84925	84926	84930	84931	84932	84933
FGA	Identifying information has been redacted to protect donor confidentiality. If more information is required, please contact <a href="mailto:info@wicell.org">info@wicell.org</a>					
TPOX						
D8S1179						
vWA						
Amelogenin						
Penta_D						
CSF1PO						
D16S539						
D7S820						
D13S317						
D5S818						
Penta_E						
D18S51						
D21S11						
TH01						
D3S1358						
Allelic Polymorphisms	26	26	24	24	24	24
Matches*		84413	See Matches Comment	See Matches Comment	See Matches Comment	
Comments						

*\*Note: The STR profile of the following sample is an exact match for the given sample/samples.*



# Short Tandem Repeat

Form SOP-89.01

Version 3.0

Requestor: WiCell Stem Cell Bank, WiCell

Samples Received: 18Feb21, 19Feb21

STR Amplification Date: 22Feb21

**Results:** The genotypic profiles comprise a range of 24-26 allelic polymorphisms across the 15 STR loci analyzed.

**Interpretation:** 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. These results suggests that the cells submitted correspond to the cell lines as named and were not contaminated with any other human cells or a significant amount of mouse feeder layer cells.

**Sensitivity:** Sensitivity limits for detection of STR polymorphisms unique to either this or other human cell lines is ~2-5%.

**Matches:** Samples 84930, 84931, and 84932 are exact matches to each other and to 14630, 74319, 74844, 74924, 74925, 83593, 84032, 84034, 84095, 84476, 84477, and 84656.

2/23/2021

X

Tech #1  
Characterization  
Signed by: [redacted]

2/23/2021

X

Tech #2  
Characterization  
Signed by: [redacted]

2/24/2021

X

QA Review  
Quality Assurance  
Signed by: [redacted]

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Raw data is available upon request.

# Native Product Sterility Report



WiCell  
504 S Rosa Road, Rm 101  
Madison, WI 53719

SAMPLE #: 21020702  
DATE RECEIVED: 11-Feb-21  
TEST INITIATED: 12-Feb-21  
TEST COMPLETED: 26-Feb-21

SAMPLE NAME / DESCRIPTION: MIN28i-35833.A-WB67616  
MIN31i-33363.D.3C2-WB67625  
MIN29i-35833.B-WB67612  
MIN30i-33109.2G-WB67613  
MIN27i-35326.K-WB67617  
JHU042i-WB67618  
MIN33i-33109.2G.1A4-WB67621  
WA09-WB67619  
MIN32i-33109.2B.3A12-WB67622  
MIN34i-33109.2G.2F2-WB67623

UNIQUE IDENTIFIER: N/A

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	44

REFERENCE: Processed according to LAB-003: Sterility Test Procedure

PD #: 000053

TEST METHODOLOGY: ISO - Direct Transfer

COMMENTS: NA

REVIEWED BY 

DATE 02 MAR 2021

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.



# Mycoplasma Assay Report

PCR-based assay performed by WiCell

WiCell  
23Feb21

FORM SOP-83.01

Version 2.0

Sample Name	Result	Interpretation
JHU042i-WB67618 p.11 (84926)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
WA09-RB67629 p.30 (84930)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
WA09-RB67628 p.30 (84931)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
WA09-RB67626 p.29 (84932)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: [REDACTED], Assistant Research Specialist

Reviewed by: [REDACTED], Assistant Research Specialist

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*A gel image is available upon request.*