



## Thaw and Culture Details

|                                  |   |
|----------------------------------|---|
| Cell Line Name                   | <b>JHU133i</b>  |
| WiCell Lot Number                | <b>DB41335</b>  |
| Provider                         | Johns Hopkins University – Laboratory of Dr. Lewis Becker   |
| Banked By                        | Johns Hopkins University – Laboratory of Dr. Lewis Becker   |
| Thaw and Culture Recommendations | WiCell recommends thawing 1 vial into 6 wells of a 6 well plate. WiCell recommends thawing using ROCK Inhibitor for best results.   |
| Culture Platform                 | Feeder Independent  |
|                                  | Medium: E8  |
|                                  | Matrix: Vitronectin   |
| Protocol                         | WiCell Feeder Independent E8 Medium Protocol  |
| Passage Number                   | p5<br>These cells were cultured for 5 passages post reprogramming prior to freeze. Add +1 to the passage number to best represent the overall passage number of the cells at thaw.  |
| Date Viald                       | 08-June-2016  |
| Vial Label                       | P133<br>P5<br>1.5X10 <sup>6</sup><br>6/8/16   |
| Biosafety and Use Information    | This cell line is of human origin. 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.<br>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                            | Recoverable attachment after passage       | Pass       |
| Identity by STR                | WiCell        | PowerPlex 16 HS System by Promega | Defines 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  |
|----------------|---|
| 25-August-2016 | <p style="text-align: right;">2/10/2021</p> <p>X JKG _____</p> <p>JKG<br/>Quality Assurance<br/>Signed by: Gay, Jenna</p> |

**Date Reported:** Wednesday, January 13, 2021

**Cell Line Sex:** Male

**Cell Line:** JHU133i-DB41335

**Reason for Testing:** LOT\_RELEASE

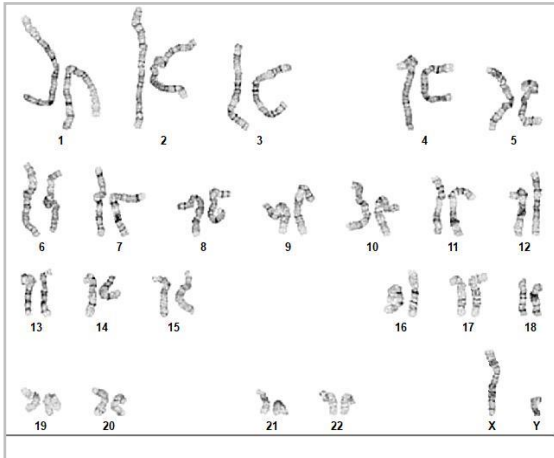
**Submitted Passage #:** 6

**Date of Sample:** 1/8/2021

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

**Specimen:** Human iPSC

**Results:** 46,XY



**Cell:** 88

**Slide:** G02

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 4

**Band Resolution:** 500 - 550

**Interpretation:**

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

**Completed by:** [REDACTED], CG(ASCP)

**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: 07Jan21, 08Jan21

STR Amplification Date: 11Jan21

| Sample Name           | STAN245i-601C4-WB67605 p.15  | STAN366i-282C2-WB67606 p.18 | STAN274i-729C2-WB67604 p.17 | JHU133i-DB41335 p.6 | JHU042i-DB41048 p.6 | MIN24i-35613.B-WB67610 p.22 |
|-----------------------|--|-----------------------------|-----------------------------|---------------------|---------------------|-----------------------------|
| Label on tube         | 84403  | 84404                       | 84411                       | 84412               | 84413               | 84414                       |
| 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 | 24   | 28                          | 25                          | 26                  | 26                  | 26                          |
| Matches*              | 75317  | 75318                       | 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: 07Jan21, 08Jan21

STR Amplification Date: 11Jan21

**Results:** The genotypic profiles comprise a range of 24-28 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:** Sample 84411 is a 93.55% match to 78973.

1/15/2021

X [Redacted]

Tech #1  
Characterization  
Signed by: [Redacted]

1/15/2021

X [Redacted]

Tech #2  
Characterization  
Signed by: [Redacted]

1/15/2021

X [Redacted]

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 #: 21010718  
DATE RECEIVED: 14-Jan-21  
TEST INITIATED: 20-Jan-21  
TEST COMPLETED: 03-Feb-21

SAMPLE NAME / DESCRIPTION: BWHi009-WB66301  
PENN038i-366-6-DB36313  
JHU042i-DB41048  
JHU133i-DB41335  
JHU053i-DB36209  
JHU157i-DB36352  
JHU233i-DB37038  
JHU214i-WB67611  
WA09-WB67614  
WA09-WB67615  
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                        | 14                         |

REFERENCE: Processed according to LAB-003: Sterility Test Procedure  
PD #: 000053  
TEST METHODOLOGY: USP - Direct Transfer

COMMENTS: NA

REVIEWED BY \_\_\_\_\_

DATE 04 FEB 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

13Jan21

FORM SOP-83.01

Version 2.0

| Sample Name                     | Result   | Interpretation  |
|---------------------------------|----------|---|
| MIN27i-35326.K-DB67585 (84386)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| MIN28i-35833.A-DB67586 (84387)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| MIN29i-35833.B-DB67587 (84388)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| MIN30i-33109.2G-DB67588 (84389) | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| JHU042i-DB41048 (84391)         | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| JHU053i-DB36209 (84392)         | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| JHU133i-DB41335 (84393)         | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| JHU157i-DB36352 (84394)         | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| JHU233i-DB37038 (84395)         | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| STAN245i-601C4-WB67605 (84403)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| STAN366i-282C2-WB67606 (84404)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| STAN274i-729C2-WB67604 (84411)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| MIN24i-35613.B-WB67610 (84414)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| EMe-TPint5GCC1-DB67601 (84416)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| EMe-TPint5GCA5-DB67600 (84417)  | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| EMe-TPR208X12-DB67602 (84418)   | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| EMe-TPR208X25-DB67603 (84419)   | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| Positive (+) Control            | Positive |   |
| Negative (-) Control            | Negative |   |

Reported by: [REDACTED], Cell Culture Specialist

Reviewed by: [REDACTED], Senior Cell Culture Specialist

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*A gel image is available upon request.*