



## Thaw and Culture Details

|                                  |   |
|----------------------------------|---|
| Cell Line Name                   | MCW006i-40000930  |
| WiCell Lot Number                | WB66499   |
| Provider                         | Medical College of Wisconsin – Laboratory of Dr. Ulrich Broeckel  |
| Banked By                        | WiCell  |
| Thaw and Culture Recommendations | WiCell recommends thawing 1 vial into 4 wells of a 6 well plate.  |
| Culture Platform                 | Feeder Independent  |
|                                  | Medium: mTeSR™1   |
|                                  | Matrix: Matrigel®   |
| Protocol                         | WiCell Feeder Independent mTeSR1 Protocol   |
| Passage Number                   | p13<br>These cells were cultured for 12 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 13.   |
| Date Viald                       | 08-August-2017  |
| Vial Label                       | MCW006i-40000930<br>p13<br>WB66499  |
| 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-CH-003                        | Expected karyotype  | See Report |
| Post-Thaw Viable Cell Recovery | WiCell  | SOP-CH-305                        | ≥ 15 Undifferentiated Colonies,<br>≤ 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-QU-004                        | 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 (MEGA<sup>EX</sup>)



| Approval Date | Quality Assurance Approval  |
|---------------|---|
| 14-May-2018   | <p style="text-align: right;">9/6/2018</p> <p>X <u>JKG</u></p> <p><small>JKG<br/>Quality Assurance<br/>Signed by Gay, Jenna</small></p> |

**Date Reported:** Wednesday, June 06, 2018

**Cell Line Sex:** Male

**Cell Line:** MCW006i-40000930-WB66499  
13752

**Reason for Testing:** lot release testing

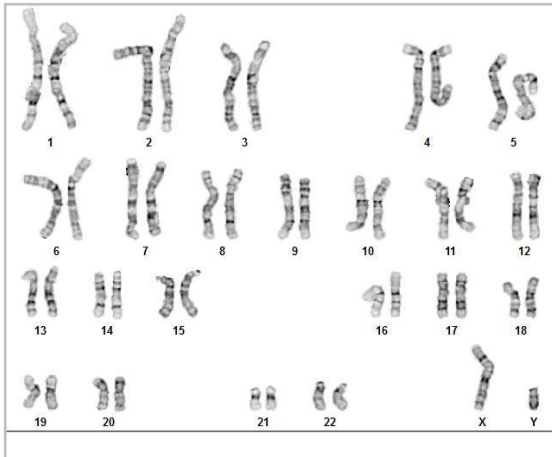
**Passage#:** 14

**Date of Sample:** 5/31/2018

**Investigator:** [REDACTED], WiCell

**Specimen:** Human IPS

**Results:** 46,XY



**Cell:** 1

**Slide:** G03

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 4

**Band Resolution:** 500 - 575

### 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

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 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.*

**Sample Report:**

13752-STR

**Sample Name on Tube:** 13752-STR

62.4 ng/μL, (A260/280=1.74)

**Sample Type:** Cells**Cell Count:** ~2 million cells**Requestor:**

WiCell Research Institute

Quality Department

**Sample Date:** N/A**Receive Date:** 06/04/18**Assay Date:** 06/05/18**File Name:** 180606STR TCS**Report Date:** 06/08/18

| 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 information has been redacted to protect donor confidentiality. If more information is required, please, contact <a href="#">WiCell's Technical Support</a> . |
| TPOX       | 6-13  |   |
| D8S1179    | 7-18  |   |
| vWA        | 10-22   |   |
| Amelogenin | X,Y   |   |
| Penta_D    | 2.2, 3.2, 5, 7-17   |   |
| CSF1PO     | 6-15  |   |
| D16S539    | 5, 8-15   |   |
| D7S820     | 6-14  |   |
| 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   |   |

**Results:** Based on the 13752-STR cells submitted by WiCell QA dated and received on 06/04/18, this sample (Label on Tube: 13752-STR) defines the STR profile of the human stem cell line MCW006i-40000930 comprising 26 allelic polymorphisms across the 15 STR loci analyzed.

**Interpretation:** No STR polymorphisms other than those corresponding to the human MCW006i-40000930 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 13752-STR sample submitted corresponds to the MCW006i-40000930 stem cell line and was not contaminated with any other human stem 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 stem cell lines is ~2-5%.



Digitally Signed on 06/11/18

[Redacted], BA  
TRIP Laboratory, Molecular

Digitally Signed on 06/11/18

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

# Native Product Sterility Report



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

SAMPLE #: 18030537  
DATE RECEIVED: 08-Mar-18  
TEST INITIATED: 13-Mar-18  
TEST COMPLETED: 27-Mar-18

SAMPLE NAME / DESCRIPTION: STAN129i-212C2 DB35772 13516  
STAN130i-212C4 DB35777 13517  
MCW002i-40001265 WB66495 13518  
MCW004i-40002545 WB66488 13519  
MCW006i-40000930 WB66499 13520  
MCW008i-40000992 WB66496 13521  
MCW010i-40000756 WB66487 13522  
MCW011i-40000664 WB66486 13523  
MCW015i-A2196 WB66497 13524  
MCW016i-A2159 WB66510 13525  
MCW021i-50001743 WB66448 13526  
MCW025i-A2566 WB66504 13527  
MCW034i-A2780 WB66502 13528  
MCW036i-A3170 WB66501 13529  
MCW037i-50000777 WB66459 13530  
MCW041i-U2104 WB66494 13531  
MCW048i-40001845 WB66460 13532  
MCW050i-40000626 WB66467 13533  
MCW067i-40001036 WB66478 13534  
MCW068i-40002385 WB66452 13535

UNIQUE IDENTIFIER: NA  
PRODUCT REGISTRATION: Other: Human iPS cells

## TEST RESULTS:

| # Tested | # Positives (Growth) | - Control   |
|----------|----------------------|-------------|
| 20       | 0                    | 2 Negatives |

## TEST SUMMARY:

| # Samples | Media Type | Volume (mL) | Incubation Temperature (° C) | Incubation Duration (Days) |
|-----------|------------|-------------|------------------------------|----------------------------|
| 20        | TSB        | 40          | 20-25                        | 14                         |
| 20        | FTG        | 40          | 30-35                        | 14                         |

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

METHOD VALIDATION / PD #: 000053

# Native Product Sterility Report



TEST METHODOLOGY: USP - Direct Transfer

COMMENTS: Sample #18030537  
Report as per packing slip.

REVIEWED BY *Olesand*

DATE 28MAR18

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

Lot Release Testing

May 24, 2018

FORM SOP-QU-004.01

Version G Edition 02

Reported by: AP

Reviewed by: DF

BD Monolight 180

| # | Sample Name                    | Reading A |      | A Ave | Reading B |       | B Ave | Ratio B/A | Result   | Comments/Suggestions |
|---|--------------------------------|-----------|------|-------|-----------|-------|-------|-----------|----------|----------------------|
|   |                                | RLU1      | RLU2 |       | RLU1      | RLU2  |       |           |          |                      |
| 1 | MCW006i-40000930-WB66499 13752 | 233       | 242  | 237.5 | 100       | 90    | 95    | 0.40      | Negative |                      |
| 2 | Positive (+) Control           | 605       | 627  | 616   | 33968     | 34195 | 34082 | 55.33     | Positive |                      |
| 3 | Negative (-) Control           | 1030      | 1010 | 1020  | 105       | 117   | 111   | 0.11      | Negative |                      |

