

### **Thaw and Culture Details**

| Cell Line Name                   | WC028i-5807-6   |
|----------------------------------|---|
| WiCell Lot Number                | WB66555   |
| Provider                         | University of Wisconsin – Laboratory of Anita Bhattacharyya   |
| 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                   | p11   |
|                                  | These cells were cultured for 10 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                      | 26-August-2017  |
| Vial Label                       | WC028i-5807-6   |
|                                  | p11<br>WB66555  |
| 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  | Pass   |
| Post-Thaw Viable Cell<br>Recovery | WiCell  | SOP-CH-305                              | ≥ 15 Undifferentiated Colonies,<br>≤ 30% Differentiation and<br>recoverable attachment after<br>passage | Pass   |
| Identity by STR                   | UW Translational<br>Research Initiatives in<br>Pathology Laboratory | PowerPlex 16 HS<br>System by<br>Promega | Defines profile   | Pass   |
| Sterility                         | Steris  | ST/07                                   | Negative  | Pass   |
| Mycoplasma                        | WiCell  | SOP-QU-004                              | Negative  | Pass   |

| Approval Date    | Quality Assurance Approval                                    |  |  |
|------------------|---|--|--|
| 06-November-2017 | 11/6/2017  X JKG  JKG  Quality Assurance Signed by Gay, Jenna |  |  |



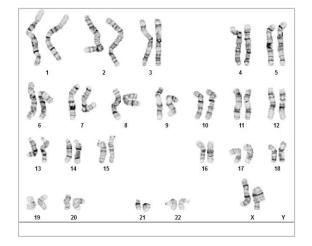
### Chromosome Analysis Report: 067790

Date Reported: Friday, September 15, 2017 Cell Line: WC028i-5807-6-WB66555 12819

Passage#: 11

Date of Sample: 9/5/2017 Specimen: Human IPSC

Results: 46,XX



Cell Line Gender: Female

Reason for Testing: lot release testing

Investigator: , WiCell CDM

Cell: 32 Slide: G03

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8

Total Karyogrammed: 4
Band Resolution: 475 - 525

#### Interpretation:

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

Completed by: CG(ASCP)
Reviewed and Interpreted by: 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

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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:** 12819-STR

Sample Name on Tube: 12819-STR

 $74.4 \text{ ng/}\mu\text{L}$ , (A260/280=2.09)

**Sample Type:** Cells **Cell Count:** 1.6 million

**Requestor:** 

WiCell Research Institute Quality Department **Sample Date:** N/A **Receive Date:** 09-11-17

Assay Date: 09-12-17 File Name: 170913 STR WMR

**Report Date:** 09/15/17

| 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       |   |                                 |  |  |  |
| D8S1179    | 7-18  | protect donor                   |  |  |  |
| vWA        | 10-22   | confidentiality. If             |  |  |  |
| Amelogenin | X,Y   | more information                |  |  |  |
| Penta D    | 2.2, 3.2, 5, 7-17   | is required,<br>please, contact |  |  |  |
| CSF1PO     |   |                                 |  |  |  |
| D16S539    | 5, 8-15   | WiCell's Technical Support.     |  |  |  |
| 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   |                                 |  |  |  |

<u>Results:</u> Based on the 12819-STR cells submitted by WiCell QA dated and received on 09/11/17, this sample (Label on Tube: 12819-STR) defines the STR profile of the human stem cell line WC028i-5807-6 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WC028i-5807-6 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 12819-STR sample submitted corresponds to the WC028i-5807-6 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 | 09/18/17 | X WMR     | Digitally Signed                                      | l on 09/18/17 |     |
|---------|---------------------|----------|-----------|---|---------------|-----|
| TRIP La | boratory, Molecular |          | UWHC Mole | , PhD, Director / Co-<br>cular Diagnostics Laboratory |               | ory |

## Native Product Sterility Report



SAMPLE #:

17081954

DATE RECEIVED:

31-Aug-17

**TEST INITIATED:** 

06-Sep-17

TEST COMPLETED:

20-Sep-17

SAMPLE NAME / DESCRIPTION:

WC027i-5807-5-WB66542 12785

WC028i-5807-6-WB66555 12786 WC029i-5907-1-WB66543 12787 WC030i-5907-2-WB66544 12788 WC031i-5907-6-WB66556 12789 UCSD082i-40-1-WB60394 12790 UCSD092i-1-10-WB63301 12791

UCSD093i-1-11-WB64617 12792 MCW109i-40001470-WB66547 12793

MCW064i-40001159-WB66546 12794

UNIQUE IDENTIFIER:

NΑ

PRODUCT REGISTRATION:

Human iPS cells

**TEST RESULTS:** 

WiCell

504 S Rosa Rd, Rm 101

Madison, WI 53719

| # Tested | # Positives<br>(Growth) | - Control   |  |  |
|----------|-------------------------|-------------|--|--|
| 10       | 0                       | 2 Negatives |  |  |

**TEST SUMMARY:** 

| # Samples | Media Type | Volume (mL) | Incubation<br>Temperature<br>(° C) | Incubation<br>Duration<br>(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 218 EPI7

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 September 7, 2017

FORM SOP-QU-004.01 Version F Edition 02 Reported by: KR Reviewed by: JB BD Monolight 180

|   |                             | Reading A |      | A     | Read  | ling B | В     | Ratio  |          |                      |
|---|-----------------------------|-----------|------|-------|-------|--------|-------|--------|----------|----------------------|
| # | Sample Name                 | RLU1      | RLU2 | Ave   | RLU1  | RLU2   | Ave   | B/A    | Result   | Comments/Suggestions |
| 1 | WC028i-5807-6-WB66555 12819 | 221       | 234  | 227.5 | 122   | 124    | 123   | 0.54   | Negative |                      |
| 2 | Positive (+) Control        | 250       | 271  | 260.5 | 30955 | 31081  | 31018 | 119.07 | Positive |                      |
| 3 | Negative (-) Control        | 532       | 532  | 532   | 84    | 76     | 80    | 0.15   | Negative |                      |

