# Thaw and Culture Details

| | |
|---|---|
| Cell Line Name | **SCRP6101i** |
| WiCell Lot Number | **DB42990** |
| Provider | The Scripps Research Institute – Laboratory of Dr. Eric Topol |
| Banked By | Gladstone Institutes – Laboratory of Dr. Sheng Ding |
| Thaw and Culture Recommendations | WiCell recommends thawing 1 vial into 2 wells of a 6 well plate using mTeSR™1 and Matrigel® . WiCell recommends thawing using ROCK Inhibitor for best results. |
| Culture Platform | Feeder Independent |
| | Medium: mTeSR™1 |
| | Matrix: Matrigel® |
| Protocol | WiCell Feeder Independent mTeSR™1 Medium Protocol |
| Passage Number | p10<br>These cells were cultured for 10 passages after colony picking prior to freeze. Add +1 to the passage number to best represent the overall passage number of the cells at thaw. |
| Date Vialed | 26-May-2016 |
| Vial Label | HE00083, Passage 10,<br>May-26-2016 |
| 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.<br>Cells distributed by WiCell are intended for research purposes only and are not intended for use in humans. |

# Results

| Test Description | Test Provider | Test Method | Test Specification | Result |
|---|---|---|---|---|
| Karyotype | WiCell | G-T-L Banding performed on 20 metaphase cells | Expected karyotype | See Report |
| | ***Results:*** 46,XX<br>***Interpretation:*** This is a normal karyotype; no clonal abnormalities were detected at the stated band level of resolution.<br>There is a pericentric inversion of chromosome 9 in all cells examined. This inversion has been reported as a normal population variant. | | | |
| Post-Thaw Viable Cell Recovery | WiCell | Thaw using specified Thaw & Culture Recommendations | Recoverable attachment after passage | Pass |
| Identity by STR | WiCell | PowerPlex 16 HS System by Promega™ | Defines STR profile of deposited cell line | See Report |
| Mycoplasma | WiCell | PCR | Amplification of mycoplasma specific DNA detected with negative result | Pass |
| Sterility | Steris | Native Product Direct Transfer using FTM and TSB (ST/07) | Negative for growth following 14 days of culture | 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.

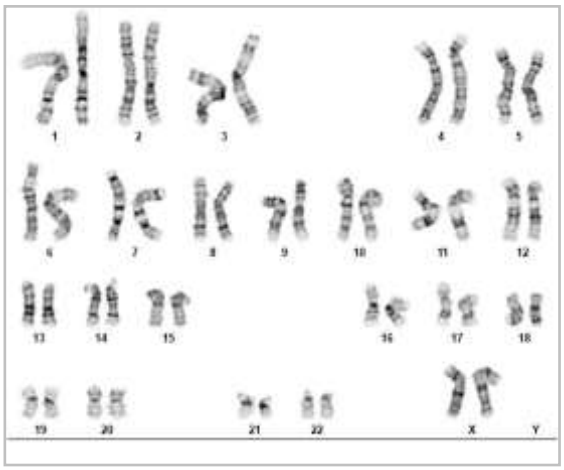
- HumanCore Exome Kit
- Methylation
- Tra1-60 marker expression via flow cytometry
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGA$^{EX}$)

| Approval Date | Quality Assurance Approval |
|---|---|
| 12-September-2016 | 4/16/2025<br>X HEB<br>HEB<br>Quality Assurance<br>Signed by: HBruner |

# Chromosome Analysis Report: 106448

**Date Reported:** March 25, 2025
**Cell Line:** SCRP6101i-DB42990
**Submitted Passage #:** 12
**Date of Sample:** 3/17/2025
**Specimen:** Human IPSC
**Results:** 46,XX

**Cell Line Sex:** Female
**Reason for Testing:** LOT_RELEASE
**Investigator:** WiCell Stem Cell Bank, WiCell



**Cell:** 1
**Slide:** G02
**Slide Type:** Karyotype

**Total Counted:** 20
**Total Analyzed:** 8
**Total Karyogrammed:** 4
**Band Resolution:** 425 - 475

**Interpretation:**

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

**There is a pericentric inversion of chromosome 9 in all cells examined. This inversion has been reported as a normal population variant.**

**Completed by:** Pam Mill
**Reviewed and Interpreted by:** Justin Schleede, PhD, FACMG

*For internal use only*

**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".*

# Mycoplasma Assay Report

PCR-based assay performed by WiCell

WiCell Stem Cell Bank, WiCell

26Mar25

Form SOP-83.01
Version 7.0

| Sample Name | Result | Interpretation |
|---|---|---|
| SCRP8305i-DB43120 p15 (106579) | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| SCRP6101i-DB42990 p14 (106578) | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| SCRP5603i-DB42976 p16 (106577) | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma. |
| Positive (+) Control | Positive | |
| Negative (-) Control | Negative | |

| Assay Description |
|---|
| Sample is tested for presence of mycoplasma using EZ-PCR™ Mycoplasma Detection Kit (Sartorius). |

| | | |
|---|---|---|
| 3/26/2025<br>X John Raff<br>Tech #1<br>Characterization<br>Signed by: Raff, John | 3/27/2025<br>X Michael Mussar<br>Tech #2<br>Characterization<br>Signed by: Mussar, Michael | 3/28/2025<br>X Dawn Graham<br>QA Review<br>Quality Assurance<br>Signed by: Graham, Dawn |



*A gel image is available upon request.*

# Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Sample Receipt Date: 17Mar25
STR Amplification Date: 24Mar25



| Sample Name | SCRP8305i-DB43120 p13 | SCRP6101i-DB42990 p12 |
|---|---|---|
| WiCell CTR No.[1] | 106449 | 106448 |
| FGA | [redacted] | |
| TPOX | | |
| D8S1179 | | |
| vWA | | |
| Amelogenin | | |
| Penta_D | | |
| CSF1PO | | |
| D16S539 | | |
| D7S820 | | |
| D13S317 | | |
| D5S818 | | |
| Penta_E | | |
| D18S51 | | |
| D21S11 | | |
| TH01 | | |
| D3S1358 | | |
| Allelic Polymorphisms | 27 | 26 |
| Matches[2] | | |
| Comments | | |

Identifying information has been redacted to protect donor confidentiality. If more information is required, please contact info@wicell.org

[1] CTR No.: Characterization Test Request Number; also known as a laboratory accessioning number.
[2] The STR profile of the sample(s) listed are a 100% match for the given sample unless otherwise specified.

# Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Sample Receipt Date: 17Mar25
STR Amplification Date: 24Mar25



**Assay Description:** Short Tandem Repeat (STR) analysis is performed using the PowerPlex® 16 HS System by Promega™. Results are reported as 13 CODIS STR markers, Amelogenin for sex determination and two low-stutter, highly discriminating pentanucleotide STR markers.

**Results:** The genotypic profiles comprise a range of 26-27 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 suggest 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 ~2-4%.

| | | |
|---|---|---|
| 3/27/2025<br>X John Raff<br>Tech #1<br>Characterization<br>Signed by: Raff, John | 3/31/2025<br>X Amber Kuhn<br>Tech #2<br>Characterization<br>Signed by: Kuhn, Amber | 4/1/2025<br>X Dawn Graham<br>QA Review<br>Quality Assurance<br>Signed by: Graham, Dawn |

# Native Product Sterility Report

STERIS

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

SAMPLE #: 21070812
DATE RECEIVED: 14-Jul-21
TEST INITIATED: 27-Jul-21
TEST COMPLETED: 10-Aug-21

SAMPLE NAME / DESCRIPTION:
CREM017i-SS19-1-WB67673
PENN042i-258-12-WB67671
UCSD239i-APP2-1-WB67672
STAN151i-303C3-DB35736
STAN248i-617C1-DB35488
STAN249i-617C2-DB35491
WA01-WB67657
WA01-WB67656
STAN366i-282C2-WB67655
SCRP5803i-DB42982
SCRP6101i-DB42990
SCRP6904i-DB43007
SCRP7301i-DB43010
HVRDi001-A-WB67674
SCRP8105i-DB43117
SCRP8305i-DB43120
SCRP8503i-DB43126
SCRP8601i-DB43129
SCRP8717i-DB43132
SCRP8901i-DB43135

UNIQUE IDENTIFIER: N/A

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
PD #: 000053
TEST METHODOLOGY: USP - Direct Transfer

# Native Product Sterility Report

STERIS

COMMENTS: Sample # 21070812

REVIEWED BY _____ DATE 13Aug2021

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.