



## Thaw and Culture Details

Cell Line Name	<b>PENN058i-285-3</b>
WiCell Lot Number	<b>DB34799</b>
Provider	University of Pennsylvania – Dr. Daniel Rader
Banked By	Penn Institute for Regenerative Medicine iPS Core Facility
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 1 well of a 6 well plate using Stem Cell Culture Medium and MEF. WiCell recommends thawing using ROCK Inhibitor for best results.
Protocol	WiCell Feeder Based (MEF) Pluripotent Stem Cell Protocol
Culture Platform Prior to Freeze	Feeder Dependent
	Medium: Stem Cell Culture Medium
	Matrix: MEF
Passage Number	p13 These cells were cultured for 13 passages prior to freeze and post colony picking. Therefore, plated cells at thaw should be labeled passage 14.
Date Vialied	23-April-2015
Vial Label	iPS-285 SeV3 p13 04/23/15 KS
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	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.

- SNP microarray
- Flow Cytometry (Tra1-60 and SSEA-4)
- Differentiation into hepatocytes
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGA<sup>EX</sup>)



Approval Date	Quality Assurance Approval
23-June-2016	<p style="text-align: right;">1/13/2021</p> <p>X JKG</p> <hr/> <p><small>WiCell Quality Assurance Signed by: Gay, Jenna</small></p>

**Date Reported:** Wednesday, November 4, 2020

**Cell Line Sex:** Male

**Cell Line:** PENN058i-285-3-DB34799

**Reason for Testing:** LOT\_RELEASE

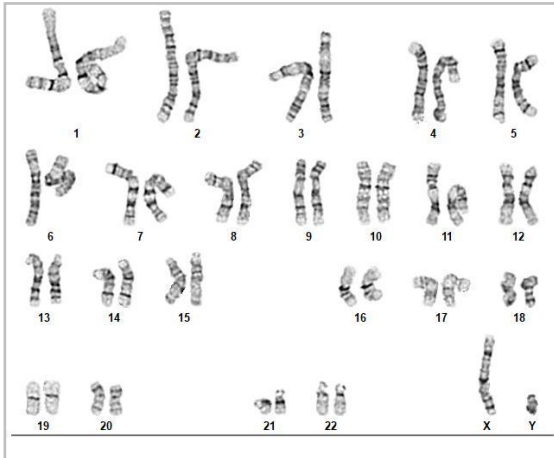
**Submitted Passage #:** 17

**Date of Sample:** 10/23/2020

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

**Specimen:** Human iPSC

**Results:** 46,XY



**Cell:** 11

**Slide:** G01

**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.**

**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

Requestor: WiCell Stem Cell Bank, WiCell

Samples Received: 23Dec20

STR Amplification Date: 04Jan21

Form SOP-89.01

Version 3.0

Sample Name	PENN058i-285-3-DB34799 p15
Label on tube	84361
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	29
Matches*	
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: 23Dec20  
STR Amplification Date: 04Jan21

**Results:** The genotypic profile comprises 29 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%.

1/5/2021

1/5/2021

1/6/2021

X [Redacted]

Tech #1  
Characterization  
Signed by: [Redacted]

X [Redacted]

Tech #2  
Characterization  
Signed by: [Redacted]

X [Redacted]

QA Review  
Quality Assurance  
Signed by: [Redacted]

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*Raw data is available upon request.*

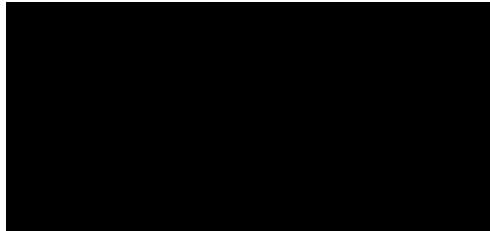
# Native Product Sterility Report



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

SAMPLE #: 20090672  
DATE RECEIVED: 11-Sep-20  
TEST INITIATED: 17-Sep-20  
TEST COMPLETED: 01-Oct-20

SAMPLE NAME / DESCRIPTION: PENN058i-285-3-DB34799  
STAN270i-720C3-DB44433  
iPS DF19-9-7T - PCBC-WB67547  
WISCe011-A-39-WB67548



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 02 Oct 2020

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

16Sep20

FORM SOP-83.01

Version 01

Sample Name	Result	Comments/Suggestions
INC149 08Sep20 AP (82819)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
WAI001-B-1-iETV2-DB67533 (82859)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC123 09Sep20KR (82864)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
STAN270i-720C3-DB44433 (82868)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
PENN004i-277-1-DB36075 (82871)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
PENN058i-285-3-DB34799 (82872)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
H13-FMR1-FLAG-DB67479 (82877)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
WISCe011-A-39-WB67548 (82881)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
MIN09i-33114.C.B-WB67531 (82882)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: [REDACTED], Research Specialist

Reviewed by: [REDACTED], Assistant Research Specialist

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*A gel image is available upon request.*