

### **Thaw and Culture Details**

Cell Line Name	PENN041i-177-46			
WiCell Lot Number	DB34934			
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 2 wells of a 6 well plate. WiCell recommends thawing using ROCK Inhibitor for best results.			
Culture Platform	Feeder Dependent			
	Medium: hESC Medium (KOSR)			
	Matrix: MEF			
Protocol	WiCell Feeder Dependent Protocol			
Passage Number  p16 These cells were cultured for 16 passages prior to freeze and post colony picking. Therefore cells at thaw should be labeled passage 17.				
Date Vialed 21-July-2015				
Vial Label	iPS-177 Sev46 P16 07-21-15 JS			
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	Recoverable attachment after passage	Pass
Identity by STR	UW Translational Research Initiatives in Pathology Laboratory	PowerPlex 16 HS System by Promega	Defines STR profile	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-CH-044	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 (MEGAEX)



Approval Date	Quality Assurance Approval	
23-June-2016	8/20/2019  X JKG  JKG  Quality Assurance Signed by Gay, Jenna	



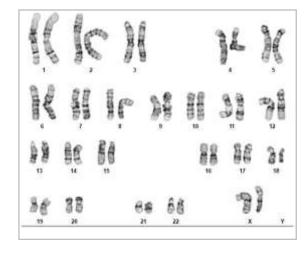
#### Chromosome Analysis Report: 077879

Date Reported: Monday, August 19, 2019
Cell Line: PENN041i-177-46-DB34934 14943

Passage#: 17

Date of Sample: 8/9/2019 Specimen: Human IPSC

Results: 46,XX



Cell Line Sex: Female

Reason for Testing: lot release testing

Investigator: WiCell

Cell: 46

Slide: G02

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8

Total Karyogrammed: 4

Band Resolution: 350 - 475

#### Interpretation:

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

Completed by:	
Reviewed and Interpreted by:	, PhD, FACMG

Date:	Sent By:	Sent 10:	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. 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.



TRIP Laboratory (Molecular)

# **Short Tandem Repeat Analysis**



characterization@wicell.org

(608) 316-4145

**Sample Report:** 

(608) 265-9168

14943-STR Sample Name on Tube: 14943-STR

Department of Pathology and Laboratory Medicine

https://research.pathology.wisc.edu/trip-home/

 $27.0 \text{ ng/}\mu\text{L}$ , (A260/280=3.21)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute Quality Assurance Department **Receive Date:** 08/12/19 **Report Sent:** 08/21/19 **Assav Date:** 08/19/19

File Name: STR 190820 wmr

**Report Date:** 08/21/19

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	6-13	been redacted to
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,
CSF1PO	6-15	please, contact <u>WiCell's Technical</u>
D16S539	5, 8-15	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	

Results: Based on the 14943-STR cells submitted by WiCell QA dated and received on 08/12/19, this sample (Label on Tube: 14943-STR) defines the STR profile of the human cell line PENN041i-177-46 comprising 26 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human PENN041i-177-46 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 14943-STR sample submitted corresponds to the PENN041i-177-46 cell line and was 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

X RMB	Digitally Signed on	08/21/19	X WMR	Digitally Signed	on	08/21/19	
TRIP La	, BA boratory, Molecular		UWHC Mole	, PhD, Director / Co- ecular Diagnostics Laboratory			y

## Native Product Sterility Report



SAMPLE #:

19080059

WiCell

DATE RECEIVED:

01-Aug-19

504 S Rosa Road, Rm 101

TEST INITIATED:

02-Aug-19

Madison, WI 53719

TEST COMPLETED:

16-Aug-19

SAMPLE NAME / DESCRIPTION:

SCRP2310i DB42060 14929

SCRP2307i DB42057 14930 SCRP2407i DB42063 14931

SCRP2508i DB42079 14932

STAN357i-298C2 DB44224 14933 STAN359i-442C11 DB44237 14934 PENN025i-71-58 DB35127 14935 PENN041i-177-46 DB34934 14936

STAN378i-886C4 DB44665 14937 STAN275i-732C1 DB35789 14938

UNIQUE IDENTIFIER:

NA

**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 16 pugy

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

PCR-based assay performed by WiCell
Lot Release Testing
02Aug19

#	Sample Name	Result	Comments/Suggestions
1	PENN041i-177-46-DB34934 14943	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma
2	Positive (+) Control	Positive	
3	Negative (-) Control	Negative	

Reported by: Brenna Anderson, Research Specialist - Cytogenetics

Reviewed by: Anna Lisa Larson, Laboratory Supervisor- Characterization

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A gel image is available upon request.