



## Thaw and Culture Details

Cell Line Name	<b>iPS(Foreskin)-1</b>
WiCell Lot Number	<b>WB66667</b>
Parent Material	iPS(Foreskin)-1-MCB-01
Provider	University of Wisconsin – Dr. James Thomson
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	p36 These cells were cultured for 35 passages prior to freeze. WiCell adds +1 to the passage number to best represent the overall passage number of the cells at thaw.
Date Vialied	08-November-2017
Vial Label	iPS(Foreskin)-1 p36 WB66667
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 Recovery	WiCell	SOP-CH-305	≥ 15 Undifferentiated Colonies, ≤ 30% Differentiation and recoverable attachment after passage	Pass
Identity by STR	UW Translational Research Initiatives in Pathology Laboratory	PowerPlex 16 HS System by Promega	Consistent with STR profile of deposited cell line	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass

Approval Date	Quality Assurance Approval
08-December-2017	<div style="text-align: right; font-size: small;">7/14/2020</div>

**Date Reported:** Tuesday, November 28, 2017

**Cell Line:** iPS(Foreskin)-1-WB66667 13090

**Passage#:** 36

**Date of Sample:** 11/20/2017

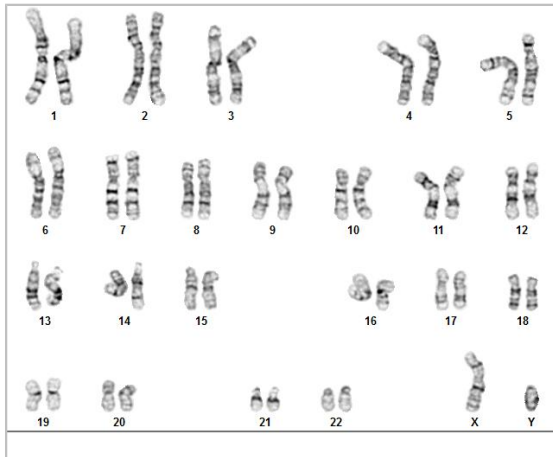
**Specimen:** Human iPSC

**Results:** 46,XY

**Cell Line Gender:** Male

**Reason for Testing:** lot release testing

**Investigator:** [REDACTED], WiCell CDM



**Cell:** 49

**Slide:** G01

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 9

**Total Karyogrammed:** 5

**Band Resolution:** 450 - 550

### Interpretation:

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

**Completed by:** [REDACTED] MS, 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 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.*

*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:**

13090-STR

**Sample Name on Tube:** 13090-STR

103.1 ng/μL, (A260/280=1.86)

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

WiCell Research Institute

Quality Department

**Sample Date:** N/A**Receive Date:** 11/27/17**Assay Date:** 11/28/17**File Name:** STR 171129 wmr**Report Date:** 11/30/17

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 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 13090-STR cells submitted by WiCell QA dated and received on 11/27/17, this sample (Label on Tube: 13090-STR) exactly matches the STR profile of the human stem cell line iPS(Foreskin)-1 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

**Interpretation:** No STR polymorphisms other than those corresponding to the human iPS(Foreskin)-1 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 13090-STR sample submitted corresponds to the iPS(Foreskin)-1 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 12/01/17

[Redacted], BA  
TRIP Laboratory, Molecular

Digitally Signed on 12/01/17

[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

## CORRECTED REPORT

SAMPLE #: 17111201  
DATE RECEIVED: 16-Nov-17  
TEST INITIATED: 20-Nov-17  
TEST COMPLETED: 04-Dec-17

SAMPLE NAME / DESCRIPTION: iPS(Foreskin)-1-WB66667 13067  
UCSD234i-SAD2-3-WB66668 13068  
UCSD193i-106-1-WB57372 13069  
UCSD178i-17-3-WB61149 13071  
UCSD165i-97-1-WB64665 13072  
WISC013i-SCID-DB66578 13073  
WISC012i-SCA-DB66579 13074  
UCSD067i-19-1-WB64878 13075  
UCSD166i-98-1-WB59911 13076  
UCSD210i-112-1-WB63447 13077  
UCSD208i-111-1-WB58973 13079  
UCSD160i-92-1-WB61150 13080  
UCSD189i-28-1-WB60070 13081  
UCSD190i-28-2-WB58714 13082  
UCSD191i-13-1-WB65029 13083  
UCSD196i-30-1-WB57099 13084  
UCSD197i-30-2-WB54408 13085  
UCSD202i-108-1-WB57850 13086  
UCSD215i-113-1-WB59923 13087  
STAN054i-149-2-WB66669 13088

UNIQUE IDENTIFIER: NA  
PRODUCT REGISTRATION: Human iPS Cells

### TEST RESULTS:

# Tested	# Positives (Growth)	- Control
20	1	2 Negative

### 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

# Native Product Sterility Report



METHOD VALIDATION / PD #: 000053  
TEST METHODOLOGY: USP - Direct Transfer

**CORRECTED  
REPORT**

COMMENTS: Report modified to correct the Sample Name / Description and # Positives.

Sample labeled UCSD208i-111-1-WB58973 13079 was positive in TSB and FTG.  
Sample #17111201

REVIEWED BY

A blue ink handwritten signature, appearing to be "C. K.", written over a horizontal line.

DATE

A blue ink handwritten date "12/25/17" written over a horizontal line.

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

November 20, 2017

FORM SOP-QU-004.01

Version G Edition 02

Reported by: KR

Reviewed by: JB

BD Monolight 180

#	Sample Name	Reading A		A Ave	Reading B		B Ave	Ratio B/A	Result	Comments/Suggestions
		RLU1	RLU2		RLU1	RLU2				
1	iPS(Foreskin)-1-WB66667 13090	231	237	234	82	81	81.5	0.35	Negative	
2	Positive (+) Control	359	373	366	14265	14523	14394	39.33	Positive	
3	Negative (-) Control	618	647	632.5	84	81	82.5	0.13	Negative	

