

Thaw and Culture Details

Cell Line Name	STAN206i-459C1						
WiCell Lot Number	DB35958						
Provider	Stanford University – Laboratory of Dr. Thomas Quetermous						
Banked By	Icahn School of Medicine at Mount Sinai Stem Cell Core						
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 1 well of a 6 well plate. WiCell recommends thawing using ROCK Inhibitor for best results.						
Culture Platform	Feeder Independent						
	Medium: mTeSR1™						
	Matrix: Matrigel®						
Protocol	col WiCell Feeder Independent mTeSR1™Protocol						
Passage Number p12 These cells were cultured for 12 passages after colony picking prior to freeze. Add +1 to number to best represent the overall passage number of the cells at thaw.							
Date Vialed	18-February-2016						
Vial Label ISMMS 459i C1P12 AP 021816							
Biosafety and Use Information Appropriate biosafety precautions should be followed when working with these cells. The end us responsible for ensuring that the cells are handled and stored in an appropriate manner. WiCell 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 humans.							

Testing Performed by WiCell

recuring recrimed by rive cir								
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 profile	Pass				
Sterility	Steris	ST/07	Negative	Pass				
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass				

Testing Reported by Provider

Test Description	Method	Result
Mycoplasma	Lonza MycoAlert kit	Negative

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.

- RNA-Seq
- Whole Genome Sequencing
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGAEX)



Approval Date	Quality Assurance Approval		
31-October-2016	JKG JKG Augusto Assurance Signed by Gay, Anna		



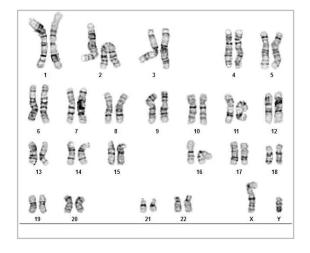
Chromosome Analysis Report: 074207

Date Reported: Monday, December 17, 2018 Cell Line: STAN206i-459C1-DB35958 14167

Passage#: 14

Date of Sample: 12/11/2018 Specimen: Human IPS

Results: 46,XY



Cell Line Sex: Male

Reason for Testing: lot release testing

Investigator: I. WiCell

Cell: 18

Slide: G01

Slide Type: Karyotype

Total Counted: 20 Total Analyzed: 8

Total Karyogrammed: 4 Band Resolution: 425 - 500

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

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. 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 HISTOLOGY - IHC - MOLECULAR - IMAGING

Analysis



characterization@wicell.org

(608) 316-4145

Sample Report:

(608) 265-9168

14167-STR

Sample Name on Tube: 14167-STR

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

Department of Pathology and Laboratory Medicine

 $79.7 \text{ ng/}\mu\text{L}$, (A260/280=1.85)

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:

WiCell Research Institute Quality Assurance Department **Receive Date:** 12/17/18 **Report Sent:** 12/21/18 **Assav Date:** 12/18/18

File Name: STR 181218 wmr

Report Date: 12/21/18

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					
TPOX	6-13	information has					
D8S1179	7-18	been redacted to					
vWA	10-22	protect donor					
Amelogenin	X,Y	confidentiality. If more information					
Penta_D							
CSF1PO	6-15	is required, please, contact					
D16S539	5S539 5, 8-15 S820 6-14						
D7S820							
D13S317	7-15						
D5S818	D5S818 7-16						
Penta_E	Penta_E 5-24						
D18S51	D18S51 8-10, 10.2, 11-13, 13.2, 14-27						
D21S11	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	TH01 4-9,9.3,10-11,13.3						
D3S1358	12-20						

Results: Based on the 14167-STR cells submitted by WiCell QA dated and received on 12/17/18, this sample (Label on Tube: 14167-STR) defines the STR profile of the human stem cell line STAN206i-459C1 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human STAN206i-459C1 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 14167-STR sample submitted corresponds to the STAN206i-459C1 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 $\sim 2-5\%$.

X RMB \mathbf{X} WMR Digitally Signed on 12/21/18 Digitally Signed on 12/21/18 , PhD, Director / Co-Director TRIP Laboratory, Molecular UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

Native Product Sterility Report



SAMPLE #:

18111110

DATE RECEIVED:

15-Nov-18

TEST INITIATED:

26-Nov-18

TEST COMPLETED:

10-Dec-18

SAMPLE NAME / DESCRIPTION:

LUEL8357i-3 WB66939 14103

LUEL8679i-4 WB66940 14104

STAN100i-108C4 DB44605 14105

STAN099i-108C2 DB44602 14106

31/110331 10002 DB44002 14100

STAN207i-459C2 DB35961 14107

STAN206i-459C1 DB35958 14108

STAN216i-496C1 DB35535 14109

LUEL7159i-7 WB66914 14110

EFNB2-tdTomato/EPHB4-EGFP DB66613 14116

JHU012i-2 DB36196 14117

UNIQUE IDENTIFIER:

NA

PRODUCT REGISTRATION:

Other: Human iPS cells

TEST RESULTS:

WiCell

504 S Rosa Rd, Rm 101

Madison, WI 53719

# Tested	# Positives (Growth)	- Control
10	1	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

METHOD VALIDATION / PD #:

000053

TEST METHODOLOGY:

USP - Direct Transfer

COMMENTS:

Sample labeled LUEL7159i-7 WB66914 14110 is positive in TSB and FTG.

REVIEWED BY

AIE XC

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 November 29, 2018

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

		Read	ing A	A	Read	ling B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	STAN206i-459C1-DB35958 14162	225	221	223	83	83	83	0.37	Negative	
2	Positive (+) Control	768	796	782	33850	34090	33970	43.44	Positive	
3	Negative (-) Control	825	849	837	92	88	90	0.11	Negative	

