



Thaw and Culture Details

Cell Line Name	STAN270i-720C3
WiCell Lot Number	DB44433
Provider	Stanford University – Laboratory of Dr. Thomas Quettermous
Banked By	Icahn School of Medicine at Mount Sinai Stem Cell Core
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 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: mTeSR1™
	Matrix: Matrigel®
Protocol	WiCell Feeder Independent mTeSR1™ Protocol
Passage Number	p14 These cells were cultured for 14 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 Vialied	08-September-2015
Vial Label	ISMMS 720i C3P14 AP 090815
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

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 (MEGA^{EX})



Approval Date	Quality Assurance Approval
07-November-2016	<p style="text-align: right;">10/8/2020</p> <p>X _____ JKG Quality Assurance Signed by: Gay, Jenna</p>

Date Reported: Tuesday, September 22, 2020

Cell Line Sex: Male

Cell Line: STAN270i-720C3-DB44433

Reason for Testing: LOT_RELEASE

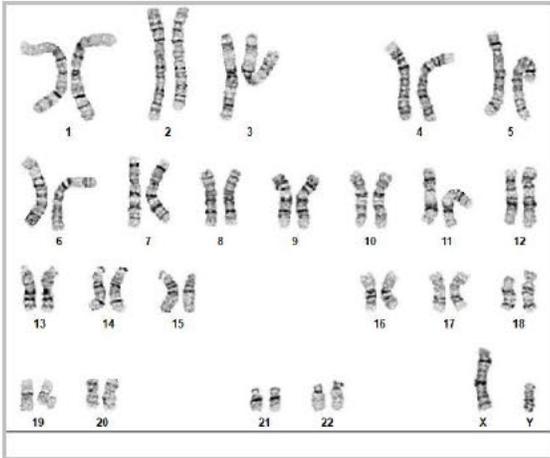
Submitted Passage #: 16

Date of Sample: 9/16/2020

Investigator: WiCell Stem Cell Bank, WiCell

Specimen: Human iPSC

Results: 46,XY



Cell: 22

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.

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. 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: 15Sep20, 16Sep20, 17Sep20
 STR Amplification Date: 21Sep20

Sample Name	WISCe011-A-39-WB67548	MIN09i-33114.C.B-WB67531	WAI001-B-1-iETV2-DB67533	STAN270i-720C3-DB44433	MIN09i-33114.C.E-WB67532	iPS DF6-9-9T.B - PCBC-WB67552	iPS DF19-9-7T - PCBC-WB67547
Label on tube	82881	82882	82887	82888	82889	82890	82914
FGA	Identifying information has been redacted to protect donor confidentiality. If more information is required, please, contact WiCell's Technical Support .						
TPOX							
D8S1179							
vWA							
Amelogenin							
Penta_D							
CSF1PO							
D16S539							
D7S820							
D13S317							
D5S818							
Penta_E							
D18S51							
D21S11							
TH01							
D3S1358							
Allelic Polymorphisms	28	28	27	27	28	27	27
Matches*	82047						
Comments							

**Note: The STR profile of the following sample is an exact match for the given sample/samples.*



Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Samples Received: 15Sep20, 16Sep20, 17Sep20
STR Amplification Date: 21Sep20

ResultsThe genotypic profiles comprise a range of 27-28 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%.

9/30/2020

X [Redacted]

Tech #1
Characterization
Signed by: [Redacted]

9/30/2020

X [Redacted]

Tech #2
Characterization
Signed by: [Redacted]

9/30/2020

X [Redacted]

QA Review
Quality Assurance
Signed by: [Redacted]

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Raw data is available upon request.



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.