



## Thaw and Culture Details

Cell Line Name	<b>STAN120i-192C2</b>
WiCell Lot Number	<b>WB67516</b>
Parent Material	STAN120i-192C2-DB44252
Provider	Stanford University – Laboratory of Dr. Thomas Queternous
Banked By	WiCell
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate using TeSR™-E8™ and Matrigel®
Protocol	WiCell Feeder Independent Pluripotent Stem Cell Protocol
Culture Platform Prior to Freeze	Feeder Independent
	Medium: TeSR™-E8™
	Matrix: Matrigel®
Passage Number	p17 These cells were cultured for 16 passages prior to freeze and colony selection. WiCell adds +1 to the passage number at freeze to best represent the overall passage number of the cells at thaw. Plated cells at thaw should be labeled passage 17.
Date Vialied	14-July-2020
Vial Label	STAN120i-192C2 p17 WB67516
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	≥ 15 Undifferentiated Colonies prior to passage, ≤ 30% Differentiation prior to passage, 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-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.

- RNA-Seq
- Whole Genome Sequencing



Approval Date	Quality Assurance Approval
27-August-2020	<p style="text-align: right;">7/18/2023</p> <p>X Ryen Smith</p> <hr/> <p><small>JIG Quality Assurance Signed by: Smith, Ryen</small></p>

**Date Reported:** Thursday, August 6, 2020

**Cell Line:** STAN120i-192C2-WB67516

**Submitted Passage #:** 18

**Date of Sample:** 7/28/2020

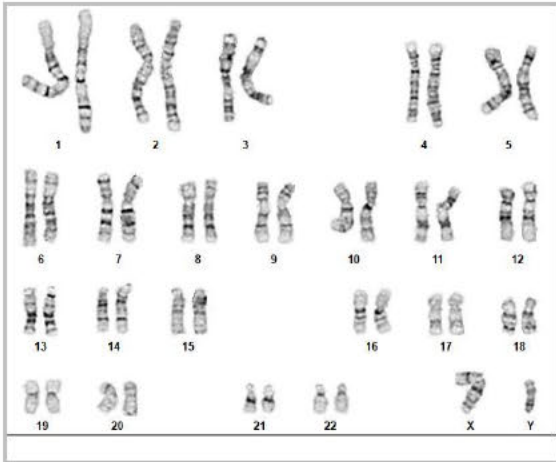
**Specimen:** Human iPSC

**Results:** 46,XY

**Cell Line Sex:** Male

**Reason for Testing:** LOT\_RELEASE

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



**Cell:** 6

**Slide:** G02

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 4

**Band Resolution:** 450 - 500

**Interpretation:**

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

*There is a pericentric inversion of chromosome 9 in all cells examined. This inversion has been reported as a normal population variant.*

**Completed by:** [Redacted]

**Reviewed and Interpreted by:** [Redacted], Ph.D.

**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 Analysis

Requestor: WiCell Characterization

Receive Date: 08/05/20

Report Sent: 08/12/20

Label on tube	82127	82128	82129	82154	82181	82204	82205
Label on Report	JHU027i-DB40972 p.7 (82127)	H1-FMR1-FLAG- WB67514 p.36 (82128)	STAN130i-212C4- WB67515 p.16 (82129)	CREM005i-SS2-1GAG- DB66769 p.42 (82154)	STAN120i-192C2- WB67516 p.18 (82181)	H1-FMR1-KO-WB67517 p.40 (82204)	STAN099i-108C2- WB67518 p.15 (82205)
conc (ng/μL)	Identifying information has been redacted to protect donor confidentiality. If more information is required, please, contact <a href="#">WiCell's Technical Support</a> .						
A260/280							
Assay Date							
File Name							
FGA							
TPOX							
D8S1179							
vWA							
Amelogenin							
Penta_D							
CSF1PO							
D16S539							
D7S820							
D13S317							
D5S818							
Penta_E							
D18S51							
D21S11							
TH01							
D3S1358							
Allelic Polymorphisms	27	28	28	27	25	28	26
Matches*			80512, 70862		77321		79403
Comments							



**HISTOLOGY - IHC - MOLECULAR – IMAGING**  
 Department of Pathology and Laboratory Medicine  
 TRIP Laboratory (Molecular)  
<https://research.pathology.wisc.edu/trip-home/>  
 (608) 265-9168



Your Lab Partner  
 characterization@wicell.org  
 (608) 316-4145

## Short Tandem Repeat Analysis

Label on tube	82206
Label on Report	STAN378i-886C4- WB67520 p.27 (82206)
conc (ng/μL)	
A260/280	
Assay Date	
File Name	
FGA	
TPOX	Identifying information has been redacted to protect donor confidentiality. If more information is required, please, contact <a href="#">WiCell's Technical Support</a> .
D8S1179	
vWA	
Amelogenin	
Penta_D	
CSF1PO	
D16S539	
D7S820	
D13S317	
D5S818	
Penta_E	
D18S51	
D21S11	
TH01	
D3S1358	
Allelic Polymorphisms	
Matches*	77678
Comments	





**HISTOLOGY - IHC - MOLECULAR – IMAGING**  
 Department of Pathology and Laboratory Medicine  
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 (608) 265-9168



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 characterization@wicell.org  
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## Short Tandem Repeat Analysis

**Results:** Based on the DNA submitted by WiCell Characterization Department dated and received on 08/05/20, these samples define the STR profiles of the human cell lines as indicated by name. The genotypic profiles comprise a range of 25-28 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%.

*Acknowledge TRIP in your publications, posters & presentations. For details, see:  
<https://research.pathology.wisc.edu/acknowledging-trip/>*

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

X *RMB*

Digitally Signed on 08/12/20

██████████, BA

TRIP Laboratory, Molecular

X *WMR*

Digitally Signed on 08/12/20

██████████, PhD, Director / Co-Director

UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

Testing was accomplished by analysis of human genetic polymorphisms at STR loci. This methodology has not yet been approved by the FDA and is for investigational use only.

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# Native Product Sterility Report



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

SAMPLE #: 20071581  
DATE RECEIVED: 30-Jul-20  
TEST INITIATED: 31-Jul-20  
TEST COMPLETED: 14-Aug-20

SAMPLE NAME / DESCRIPTION: MIN12i-33362.C WB67499  
WISCe011-A-39 WB67500  
STAN120i-192C2 WB67516  
STAN130i-212C4 WB67515  
STAN099i-108C2 WB67518  
H1-FMR1-FLAG WB67514  
H1-FMR1-KO WB67517  
STAN378i-886C4 WB67520  
STAN206i-459C1 WB67519  
JHU027i DB40972

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 24 Aug 2020

# Native Product Sterility Report



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

28Jul20

FORM SOP-CH-048.01

Version C Edition 01

Sample Name	Result	Comments/Suggestions
H1-FMR1-FLAG-WB67514 (82049)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
STAN130i-212C4-WB67515 (82050)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
STAN120i-192C2-WB67516 (82084)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: [REDACTED], Assistant Cell Culture Specialist

Reviewed by: [REDACTED], Senior Cell Culture Specialist

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*A gel image is available upon request.*