



# Certificate of Analysis

## Thaw and Culture Details

Cell Line Name	<b>SUSL-025_C2</b>	
WiCell Lot Number	<b>WB69132</b>	
Provider/Client	The Michael J. Fox Foundation for Parkinson's Research	
Banked By	WiCell	
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 4 wells of a 6 well plate using mTeSR™ Plus and Matrigel	
Protocol	WiCell Feeder Independent Pluripotent Stem Cell Protocol	
Culture Platform Prior to Freeze	Medium: mTeSR™ Plus	Matrix: Matrigel®
Passage Number	p18 Cells were cultured for 17 passages prior to freeze and post colony selection. Plated cells at thaw should be labeled passage 18.	
Date Vialied	10-October-2025	
Vial Label	SUSL-025_C2 p18 WB69132  Store at -135C or colder Made in United States Research Use Only 	
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.	



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## Results

Test Description	Test Provider	Test Method	Test Specification	Result
Karyotype	WiCell	G-T-L Banding performed on 20 metaphase cells	Expected karyotype	See Report
	<p><b>Results:</b> 46,XX  <b>Interpretation:</b> This is a normal karyotype; no clonal abnormalities were detected at the stated band level of resolution.</p>			
Post-Thaw Viable Cell Recovery	WiCell	Thaw using specified Thaw & Culture Recommendations	≥ 15 Undifferentiated Colonies prior to passage, ≤ 30% Differentiation prior to passage, and recoverable attachment after passage	Pass
Identity by STR	WiCell	PowerPlex 16 HS System by Promega™	Consistent with STR profile of deposited cell line	See Report
Mycoplasma	WiCell	PCR	Amplification of mycoplasma specific DNA detected with negative result	Pass
Sterility	Steris	Native Product Direct Transfer using FTM and TSB (ST/07)	Negative for growth following 14 days of culture	Pass

Approval Date	WiCell Quality Assurance Approval
25-February-2026	<div style="text-align: right; font-size: small;">2/25/2026</div> <div style="border: 1px solid black; padding: 2px; width: fit-content;"> X HEB  <small>HEB  WiCell Quality Assurance  Signed by: Bruner, Haley</small> </div>

**Date Reported:** November 23, 2025

**Cell Line:** SUSL-025\_C2-WB69132

**Submitted Passage #:** None Given

**Date of Sample:** 11/17/2025

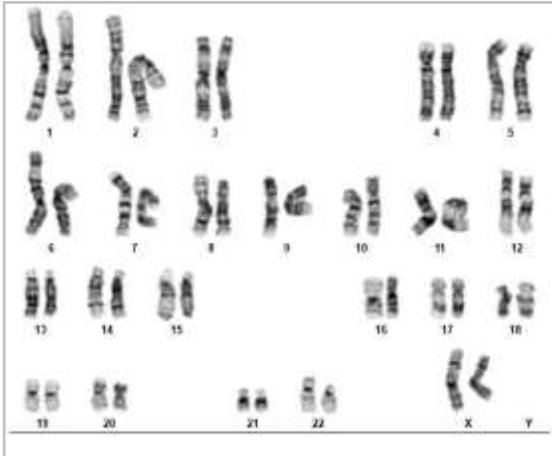
**Specimen:** Human iPSC

**Results:** 46,XX

**Cell Line Sex:** Female

**Reason for Testing:** LOT\_RELEASE

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



**Cell:** 43

**Slide:** G03

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 5

**Band Resolution:** 425 - 450

**Interpretation:**

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

**Completed by:** Davena Lira, CG(ASCP)

**Reviewed and Interpreted by:** Justin Schleede, PhD, FACMG

*For internal use only*

**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

Form SOP-89.01  
Version 15.0

Requestor: WiCell Stem Cell Bank, WiCell  
Sample Receipt Date: 17Nov25, 18Nov25, 21Nov25  
STR Amplification Date: 24Nov25

Sample Name	STAN359i-442C11-WB69310 p19	STAN151i-303C3-WB69141 p18	WC-24-02-DS-B-WB69596 p21	SUSL-046_C2-WB69115 p13	SUSL-047_C5-WB69133	SUSL-025_C2-WB69132
WiCell CTR No. <sup>1</sup>	109963	109962	109961	109897	109890	109888
FGA	<p>Identifying information has been redacted to protect donor confidentiality. If more information is required, please contact <a href="mailto:info@wicell.org">info@wicell.org</a></p>					
TPOX						
D8S1179						
vWA						
Amelogenin						
Penta_D						
CSF1PO						
D16S539						
D7S820						
D13S317						
D5S818						
Penta_E						
D18S51						
D21S11						
TH01						
D3S1358						
Allelic Polymorphisms	28	27	26	27	26	26
Matches <sup>2</sup>	77572	86540	See Results	109464, 109397, 109580, 109398	109489, 109465, 109595, 109466 (96.67%)	109579, 109488, 109446
Comments						

<sup>1</sup> CTR No.: Characterization Test Request Number; also known as a laboratory accessioning number.

<sup>2</sup> The STR profile of the sample(s) listed are a 100% match for the given sample unless otherwise specified.



# Short Tandem Repeat

Form SOP-89.01  
Version 15.0

Requestor: WiCell Stem Cell Bank, WiCell  
Sample Receipt Date: 17Nov25, 18Nov25, 21Nov25  
STR Amplification Date: 24Nov25

**Assay Description:** Short Tandem Repeat (STR) analysis is performed using the PowerPlex® 16 HS System by Promega™. Results are reported as 13 CODIS STR markers, Amelogenin for sex determination and two low-stutter, highly discriminating pentanucleotide STR markers.

**Results:** The genotypic profiles comprise a range of 26-28 allelic polymorphisms across the 15 STR loci analyzed. Samples 109961 is a 100% match to 109594, 103288, 103130, 95322, 19124, 18976, 18975 and a 93.33% match to 109115, 103592, 102657.

Additional matches can be provided upon request.

**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 suggest 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 ~2-4%.

11/25/2025	11/25/2025	11/26/2025
<p><b>X</b> Michael Mussar</p> <hr/> <p>Tech #1 Characterization Signed by: Mussar, Michael</p>	<p><b>X</b> Kaylie Haddix</p> <hr/> <p>Tech #2 Characterization Signed by: Haddix, Kaylie</p>	<p><b>X</b> Manda Weber</p> <hr/> <p>QA Review Quality Assurance Signed by: Weber, Manda</p>

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# Mycoplasma Assay Report

PCR-based assay performed by WiCell  
WiCell Stem Cell Bank, WiCell  
24Nov25

Form SOP-83.01  
Version 7.0

Sample Name	Result	Interpretation
SUSL-046_C2-WB69115 p13 (109897)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
SUSL-047_C5-WB69133 (109890)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
SUSL-046_C1-WB69114 (109889)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
SUSL-025_C2-WB69132 (109888)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Assay Description
Sample is tested for presence of mycoplasma using EZ-PCR™ Mycoplasma Detection Kit (Sartorius).

11/24/2025	11/24/2025	11/24/2025
<b>X</b> Kaylie Haddix	<b>X</b> Nina Montgomery	<b>X</b> Manda Weber
Tech #1 Characterization Signed by: Haddix, Kaylie	Tech #2 Characterization Signed by: Montgomery, Nina	QA Review Quality Assurance Signed by: Weber, Manda

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*A gel image is available upon request.*

# Native Product Sterility Report



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

SAMPLE #: 25100984  
DATE RECEIVED: 30-Oct-25  
TEST INITIATED: 31-Oct-25  
TEST COMPLETED: 14-Nov-25

SAMPLE NAME / DESCRIPTION: CVCL\_C7UZ-WB69110  
CVCL\_C7VF-WB69111  
CVCL\_C7VT-WB69109  
CVCL\_C7VT-WB69112  
hIPSC-Di21-c2-4-3-WB69135  
hIPSC-Di21-c2-4-3-WB69136  
JHU255i-WB69879  
STAN151i-303C3-WB69141  
STAN359i-442C11-WB69310  
SUSL-025\_C2-WB69132  
SUSL-025\_C6-WB69138  
SUSL-046\_C1-WB69114  
SUSL-046\_C2-WB69115  
SUSL-046\_C9-WB69134  
SUSL-047\_C2-WB69139  
SUSL-047\_C5-WB69133  
SUSL-047\_C8-WB69889  
WC-24-02-DS-B-WB69140  
WC-24-02-DS-B-WB69596  
ZFN 3.1-WB69971

UNIQUE IDENTIFIER: N/A

## TEST RESULTS:

# Tested	# Positives (Growth)	- Control
20	0	2 Negatives

## 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

PD #: 000053

TEST METHODOLOGY: USP - Direct Transfer

# Native Product Sterility Report



COMMENTS: Sample #25100984

AUTHORIZED BY \_\_\_\_\_

A handwritten signature in blue ink, consisting of several overlapping loops and strokes, positioned over the signature line.

DATE 18 Nov 2023

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.