Certificate of Analysis

Thaw and Culture Details

Cell Line Name	**SUSL-046_C1**
WiCell Lot Number	**WB69114**
Provider/Client	The Michael J. Fox Foundation for Parkinson's Research
Banked By	WiCell
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 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	p13 Cells were cultured for 12 passages prior to freeze and post colony selection. Plated cells at thaw should be labeled passage 13.
Date Vialed	03-October-2025
Vial Label	SUSL-046_C1 p13 WB69114 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.

Certificate of Analysis

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
	Results: 46,XY **Interpretation:** This is a normal karyotype; no clonal abnormalities were detected at the stated band level of resolution.			
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
12-March-2026	3/12/2026 X HEB HEB WiCell Quality Assurance Signed by: Bruner, Haley

Form SOP-232.01 version 6.0

Chromosome Analysis Report: 109889

Date Reported: November 23, 2025

Cell Line: SUSL-046_C1-WB69114

Submitted Passage #: None Given

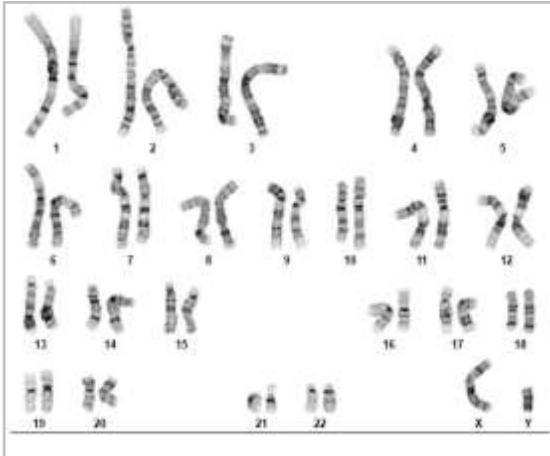**Date of Sample:** 11/17/2025

Specimen: Human IPSC

Results: 46,XY

Cell Line Sex: Male

Reason for Testing: LOT_RELEASE

Investigator: WiCell Stem Cell Bank, WiCell

Cell: 29

Slide: G04

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.

Completed by: Jennifer Pecos, CG(ASCP)

Reviewed and Interpreted by: Justin Schleede, PhD, FACMG

Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Sample Receipt Date: 17Nov25, 24Nov25, 25Nov25
STR Amplification Date: 02Dec25

Sample Name	SUSL-066_C2-WB69973 p10	SUSL-073_C3-WB69976 p7	SUSL-073_C8-WB69975 p7	ZFN 1.13-WB69974 p81	SUSL-046_C1-WB69114
WiCell CTR No.[1]	109990	109969	109968	109967	109889
FGA					
TPOX					
D8S1179					
vWA					
Amelogenin					
Penta_D		Identifying information has been redacted to protect donor confidentiality. If more information is required, please contact info@wicell.org			
CSF1PO					
D16S539					
D7S820					
D13S317					
D5S818					
Penta_E					
D18S51					
D21S11					
TH01					
D3S1358					
Allelic Polymorphisms	28	24	24	28	27
Matches[2]	109653	109661, 109660, 109669, 109968	109661, 109660, 109669, 109969	109585, 109597, 109596	109464, 109397, 109580, 109897, 109398
Comments					

[1] CTR No.: Characterization Test Request Number; also known as a laboratory accessioning number.
[2] The STR profile of the sample(s) listed are a 100% match for the given sample unless otherwise specified.

Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Sample Receipt Date: 17Nov25, 24Nov25, 25Nov25
STR Amplification Date: 02Dec25

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 24-28 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 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%.

12/5/2025	12/5/2025	12/5/2025
X Amber Kuhn	X Michael Mussar	X Manda Weber
Tech #1	Tech #2	QA Review
Characterization	Characterization	Quality Assurance
Signed by: Kuhn, Amber	Signed by: Mussar, Michael	Signed by: Weber, Manda

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Mycoplasma Assay Report

PCR-based assay performed by WiCell

WiCell Stem Cell Bank, WiCell

24Nov25

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
X Kaylie Haddix	X Nina Montgomery	X Manda Weber
Tech #1	Tech #2	QA Review
Characterization	Characterization	Quality Assurance
Signed by: Haddix, Kaylie	Signed by: Montgomery, Nina	Signed by: Weber, Manda

Native Product Sterility Report

≡ STERIS

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

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

STERIS
9303 West Broadway Ave
Brooklyn Park, MN 55445

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≋ STERIS

COMMENTS: Sample #25100984

AUTHORIZED BY _____   DATE _18 NOV 2025_

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.

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