

#### **Thaw and Culture Details**

Cell Line Name	H9-hTnnT2-pGZ-TD2		
WiCell Lot Number	WB67569		
Parent Material	H9-hTnnT2-pGZ-TD2-WB0042		
Provider	University of Wisconsin – Laboratory of Dr. Timothy Kamp		
Banked By	WiCell		
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate using mTeSR™1 and Matrigel®.		
Protocol	WiCell Feeder Independent Pluripotent Stem Cell Protocol		
Culture Platform Prior to Freeze	Feeder Independent		
	Medium: mTeSR™1		
	Matrix: Matrigel®		
Passage Number	p40 These cells were cultured for 39 passages prior to freeze and post 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 40.		
Date Vialed	23-September-2020		
Vial Label	H9-hTnnT2-pGZ-TD2 p40 WB67569		
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	WiCell	PowerPlex 16 HS System by Promega	Consistent with STR profile of deposited cell line	
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-79	Negative	Pass

Approval Date	Quality Assurance Approval	
18-November-2020	JKG  JKG  Quality Assurance Signed by Gay, Jenna	



#### Chromosome Analysis Report: 083043

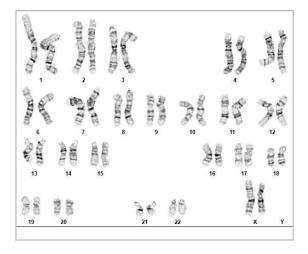
Date Reported: Tuesday, October 6, 2020

Cell Line: H9-hTnnT2-pGZ-TD2-WB67569

Submitted Passage #: 40
Date of Sample: 9/29/2020

Specimen: Human Modified ESC

Results: 46,XX



Cell Line Sex: Female

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: 425 - 500

QC Review By: \_

#### Interpretation:

Date:\_

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

Sent By:\_\_\_\_ Sent To:\_

cell populations in this specimen (i.e.,mosaicism) is limited by the number of metaphase cells examined, documented here as "# of cells counted".

Completed by:	, CG(ASCP)
Reviewed and Interpreted by:	, PhD, FACMG

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

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

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### **Short Tandem Repeat**

Requestor: WiCell Stem Cell Bank, WiCell Samples Received: 29Sep20, 06Oct20 STR Amplification Date: 08Oct20

Sample Name	CREM004i-SS2-1- WB67570 p14	H9-hTnnT2-pGZ-TD2- WB67569 p40	PENN004i-277-1- DB36075 p14	
Label on tube	83042	83043	83151	
FGA				
TPOX				
D8S1179				
vWA				
Amelogenin				
Penta_D		Identifying information has		
CSF1PO	been redacted to protect donor confidentiality. If more information			
D16S539				
D7S820				
D13S317		is required, please contact		
D5S818		info@wicell.org		
Penta_E				
D18S51				
D21S11				
TH01				
D3S1358				
Allelic Polymorphisms	27	24	26	
Matches*	67489			
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: 29Sep20, 06Oct20 STR Amplification Date: 08Oct20

**Results** The genotypic profiles comprise a range of <u>24-27</u> allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> 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%.

Tech #1
Characterization
Signed by:

10/9/2020

10/13/2020

X

A Review
QA Review
Quality Assurance
Signed by:

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Raw data is available upon request.

# Native Product Sterility Report



SAMPLE #:

20100832

DATE RECEIVED:

15-Oct-20

**TEST INITIATED:** 

22-Oct-20

**TEST COMPLETED:** 

04-Nov-20

SAMPLE NAME / DESCRIPTION:

504 S Rosa Road, Rm 101

Madison, WI 53719

CREM004i-SS2-1-WB67570

H9-hTnnT2-pGZ-TD2-WB67569

MIN22i-33113.2I-WB67571

CRFi001-A-WB67573 CRFi002-A-WB67572 SCRP1103i-DB42716

SCRP1203i-DB42719 SCRP1307i-DB42723

**UNIQUE IDENTIFIER:** 

N/A

**TEST RESULTS:** 

WiCell

	# Positives	
# Tested	(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 16 NOV2020

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

FORM SOP-83.01 Version 01

PCR-based assay performed by WiCell WiCell 06Oct20

Sample Name	Result	Comments/Suggestions
CREM004i-SS2-1-WB67570 (83042)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
H9-hTnnT2-pGZ-TD2-WB67569 (83043)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
CRFi002-A-DB67541 (83110)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC149 02OCT20 AP (83116)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC169 MMM 03Oct20 1/3 (83131)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC169 MMM 03Oct20 2/3 (83132)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC169 MMM 03Oct20 3/3 (83133)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: \_\_\_\_\_, Cell Culture Specialist Reviewed by: \_\_\_\_\_, Senior Cell Culture Specialist

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A gel image is available upon request.