Thaw and Culture Details

Cell Line Name	**CRFi002-A**
WiCell Lot Number	**WB67572**
Provider	Choroideremia Research Foundation
Banked By	WiCell
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 3 wells of a 6 well plate.
Culture Platform	Feeder Independent
	Medium: mTeSR™1
	Matrix: Matrigel®
Protocol	WiCell Feeder Independent mTeSR™1 Protocol
Passage Number	p21 These cells were cultured for 20 passages prior to freeze and post reprogramming. 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 21.
Date Vialed	07-October-2020
Vial Label	CRFi002-A p21 WB67572
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

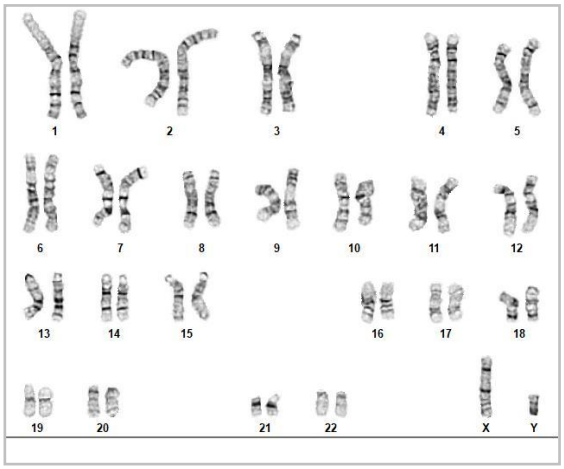
Test Description	Test Provider	Test Method	Test Specification	Result
Karyotype by G-banding	WiCell	SOP-49	Expected karyotype	See Report
Post-Thaw Viable Cell Recovery	WiCell	SOP-99	≥ 15 Undifferentiated Colonies prior to passage, ≤ 30% Differentiation prior to passage, and recoverable attachment after passage	Pass
Identity by STR	WiCell	PowerPlex 16 HS System by Promega	Defines STR profile	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-79	Negative	Pass

Approval Date	Quality Assurance Approval
18-November-2020	11/18/2020 X JKG JKG Quality Assurance Signed by: Gay, Jenna

Chromosome Analysis Report: 083230

Date Reported: Tuesday, October 27, 2020
Cell Line: CRFi002-A-WB67572
Submitted Passage #: 21
Date of Sample: 10/12/2020
Specimen: Human IPSC
Results: 46,XY

Cell Line Sex: Male
Reason for Testing: LOT_RELEASE
Investigator: WiCell Stem Cell Bank, WiCell



Cell: 36
Slide: G01
Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8
Total Karyogrammed: 4
Band Resolution: 400 - 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], 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".

Short Tandem Repeat

Requestor: WiCell Stem Cell Bank, WiCell
Samples Received: 12Oct20
STR Amplification Date: 14Oct20

Sample Name	MIN22i-33113.2I-WB67571 p21	CRFi002-A-WB67572 p21
Label on tube	83229	83230
FGA	[redacted]	
TPOX		
D8S1179		
vWA		
Amelogenin		
Penta_D		
CSF1PO		
D16S539		
D7S820		
D13S317		
D5S818		
Penta_E		
D18S51		
D21S11		
TH01		
D3S1358		
Allelic Polymorphisms	29	28
Matches*	30617	
Comments		

Identifying information has been redacted to protect donor confidentiality. If more information is required, please contact info@wicell.org

**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: 12Oct20
STR Amplification Date: 14Oct20

Results: The genotypic profiles comprise a range of __29-28___ 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%.

10/20/2020

X [redacted]

Tech #1
Characterization
Signed by: [redacted]

10/20/2020

X [redacted]

Tech #2
Characterization
Signed by: [redacted]

10/20/2020

X [redacted]

QA Review
Quality Assurance
Signed by: [redacted]

Native Product Sterility Report

STERIS

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

SAMPLE #: 20100832
DATE RECEIVED: 15-Oct-20
TEST INITIATED: 22-Oct-20
TEST COMPLETED: 04-Nov-20

SAMPLE NAME / DESCRIPTION:
CREM004i-SS2-1-WB67570
H9-hTnnT2-pGZ-TD2-WB67569
[redacted]
MIN22i-33113.2I-WB67571
CRFi001-A-WB67573
CRFi002-A-WB67572
SCRP1103i-DB42716
SCRP1203i-DB42719
SCRP1307i-DB42723

UNIQUE IDENTIFIER: N/A

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 10NOV2020

Mycoplasma Assay Report

PCR-based assay performed by WiCell

WiCell

13Oct20

FORM SOP-83.01
Version 01

Sample Name	Result	Comments/Suggestions
INC123 09Oct20KR 1/2 (83227)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC123 09Oct20KR 2/2 (83228)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
MIN22i-33113.2I-WB67571 (83229)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
CRFi002-A-WB67572 (83230)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: [redacted]**, Assistant Research Specialist**
Reviewed by: [redacted]**, Cell Culture Specialist**

A gel image is available upon request.