

## **Thaw and Culture Details**

Cell Line Name	CREM002i-BU2C10							
WiCell Lot Number	DB47962							
Provider	Boston University – Laboratory of Dr. Martin Steinberg							
Banked By	Boston University - Laboratory of Dr. Gustavo Mostoslavsky							
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 1 well of a 6 well plate.							
Culture Platform	Feeder Dependent							
	Medium: hESC Medium (KOSR)							
	Matrix: MEF							
Protocol	WiCell Feeder Dependent Protocol							
Passage Number	p18 These cells were cultured for 18 passages after colony picking prior to freeze. Add +1 to the passage number to best represent the overall passage number of the cells at thaw.							
Date Vialed	16-March-2015							
Vial Label	hiPSC BU2-15-Cr10 P18/KSR 3-16-15 AS							
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** 

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Test Description	Test Provider	Test Method	Test Specification	Result					
Karyotype by G-banding	WiCell	SOP-CH-003	Expected karyotype	See Report					
Post-Thaw Viable Cell Recovery	WiCell	SOP-CH-305	≥ 15 Undifferentiated Colonies, ≤ 30% Differentiation and recoverable attachment after passage	Pass					
Identity by STR	UW Translational Research Initiatives in Pathology Laboratory	PowerPlex 16 HS System by Promega	Defines profile	Pass					
Sterility	Steris	ST/07	Negative	Pass					
Mycoplasma	WiCell	SOP-QU-004	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.

- Digital Genome Sequencing
- Infinium® Expanded Multi-Ethnic Genotyping Array (MEGAEX)



Approval Date	Quality Assurance Approval		
05-December-2016	9/27/2018  X JKG  MG Quality Assurance Signed by Gay, Mona		



### Chromosome Analysis Report: 072499

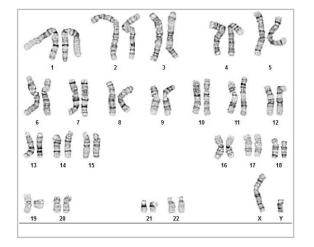
Date Reported: Friday, July 20, 2018

Cell Line: CREM002i-BU2C10-DB47962 13805

Passage#: 23

Date of Sample: 7/16/2018 Specimen: Human IPS

Results: 46,XY



Cell Line Sex: Male

Reason for Testing: lot release testing

Investigator: WiCell

Cell: 3

Slide: G01

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: CG(ASCP)

Reviewed and Interpreted by: \_\_\_\_\_, PhD, FACMG

A signed copy of this report is available upon request.

 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. 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**

**HISTOLOGY - IHC - MOLECULAR - IMAGING** 

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular)

http://www.pathology.wisc.edu/research/trip

info@wicell.org (888) 204-1782

**Sample Report:** 

13805-STR

Sample Name on Tube: 13805-STR

71.1 ng/ $\mu$ L, (A260/280=1.76)

Sample Type: Cells

Cell Count: ~2 million cells

**Requestor:** 

WiCell Research Institute

**Receive Date:** 07/16/18 Quality Department **Assay Date:** 07/17/18

File Name: STR 180718 wmr repeat

**Report Date:** 07/23/18

Sample Date: N/A

STR Locus	STR Genotype Repeat #	STR Genotype					
FGA	16–18,18.2,19,19.2,20,20.2,21,21.2,22, 22.2, 23, 23.2, 24, 24.2, 25, 25.2, 26–30, 31.2, 43.2, 44.2,45.2, 46.2	Identifying					
TPOX	6-13	information has been redacted to					
D8S1179	7-18	protect donor					
vWA	10-22	confidentiality. If					
Amelogenin	X,Y	more information					
Penta_D	2.2, 3.2, 5, 7-17	is required,					
CSF1PO	6-15	please, contact WiCell's Technical					
D16S539	5, 8-15						
D7S820	6-14	Support.					
D13S317	7-15						
D5S818	7-16						
Penta_E	5-24						
D18S51	8-10, 10.2, 11-13, 13.2, 14-27						
D21S11							
TH01	4-9,9.3,10-11,13.3						
D3S1358	12-20						

Results: Based on the 13805-STR cells submitted by WiCell QA dated and received on 07/16/18, this sample (Label on Tube: 13805-STR) defines the STR profile of the human stem cell line CREM002i-BU2C10 comprising 25 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human CREM002i-BU2C10 stem cell line were detected and 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. This result suggests that the 13805-STR sample submitted corresponds to the CREM002i-BU2C10 stem cell line and was not contaminated with any other human stem 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 stem cell lines is  $\sim 2-5\%$ .

X WMR  $\mathbf{X}$  RMB **Digitally Signed on** 07/26/18 **Digitally Signed on** 07/26/18 PhD, Director / Co-Director TRIP Laboratory, Molecular UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

## Native Product Sterility Report



SAMPLE #:

17050657

DATE RECEIVED:

04-May-17

TEST INITIATED:

08-May-17

TEST COMPLETED:

22-May-17

SAMPLE NAME / DESCRIPTION:

H9-SOX2-GFP DB47477 12513

CREM001i-bBU1C2 DB47959 12514
CREM002i-BU2C10 DB47962 12515
CREM003i-BU3C2 DB47974 12516
CREM004i-SS2-1 DB47977 12517
CREM006i-SS4-1 DB47980 12518
CREM007i-SS5-1 DB47983 12519
CREM008i-SS6-1 DB47988 12520
CREM009i-SS8-2 DB47991 12521
CREM018i-SS24-1 DB48019 12522

**UNIQUE IDENTIFIER:** 

NA

PRODUCT REGISTRATION:

Human iPS cells

**TEST RESULTS:** 

WiCell

504 S Rosa Rd, Rm 101

Madison, WI 53719

# 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

METHOD VALIDATION / PD #:

000053

**TEST METHODOLOGY:** 

USP - Direct Transfer

COMMENTS:

NA

## Native Product Sterility Report



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REVIEWED BY		DATE 24MAYI)

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.

STERIS Laboratories, Inc. 9303 West Broadway Ave Brooklyn Park, MN 55445 LAB-003 rev 29 Form 5 Effective: 2017-04-20 Page 2 of 2



# Mycoplasma Detection Assay Report Testing Performed by WiCell

Testing Performed by WiCell Lot Release Testing June 14, 2018

FORM SOP-QU-004.01 Version G Edition 02 Reported by: AP Reviewed by: KR BD Monolight 180

		Reading A		A	Read	ling B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	CREM002i-BU2C10-DB47962 13805	438	458	448	160	173	166.5	0.37	Negative	
2	Positive (+) Control	560	600	580	21715	21834	21775	37.54	Positive	
3	Negative (-) Control	910	902	560	91	87	89	0.16	Negative	

