

Thaw and Culture Details

Cell Line Name	B2M-/Edimer(preCre)Elf1			
WiCell Lot Number	WB67166			
Provider	University of Washington – Dr. David Russell			
Banked By	WiCell			
Thaw and Culture WiCell recommends thawing 1 vial into 3 wells of a 6 well plate. Recommendations				
Culture Platform	Feeder Dependent			
	Medium: Elf1 cKOSR			
	Matrix: MEF			
Protocol	WiCell Feeder Dependent Protocol and Supplement Culture of Elf1 Cells			
Passage Number p7 These cells were cultured for 6 passages prior to freeze and post colony picking. WiCell adds + the passage number at freeze to best represent what the overall passage number of the cells at Plated cells at thaw should be labeled passage 7.				
Date Vialed 25-April-2019				
Vial Label B2M-/Edimer(preCre)Elf1 p7 WB67166				
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

-		110111100110			
Test Description	Test Provider	Test Method	Test Specification	Result	
	WiCell	SOP-CH-003	Expected karyotype	See Report	
	Results: 47,XX,+17[2]/46	,XX[13]			
			An extra copy of chromosome 17 (tri		
Karyotype by G-banding			chromosome 17 is recurrently acqu		
			were detected at the stated band le		
			examined. Standard analysis require	es examination of	
	twenty cells. All analyzable metaphase cells were evaluated.				
			≥ 15 Undifferentiated Colonies,		
Post-Thaw Viable Cell	WiCell	SOP-CH-305	≤ 30% Differentiation and	Pass	
Recovery			recoverable attachment after	. 5.55	
		5 5 (0.110	passage		
Identity by STR	UW Translational	PowerPlex 16 HS	Defines STR profile of deposited		
	Research Initiatives in	System by	cell line	Pass	
	Pathology Laboratory	Promega	con into		
Sterility	Steris	ST/07	Negative	Pass	
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass	



Testing Reported by Provider

The provider has published the following testing and results for this cell line. A link to the relevant publication is provided on the cell line specific web page on the WiCell website.

Test Description	Result	Report
Karyotype by G-banding	46,XX	Report not available

Approval Date	Quality Assurance Approval	
06-June-2019	S-FL/20200 X HEB HEB	
	Quality Assurance Signed by: Bruner, Haley	



Chromosome Analysis Report: 076530

Date Reported: Thursday, May 23, 2019 Cell Line Sex: Female

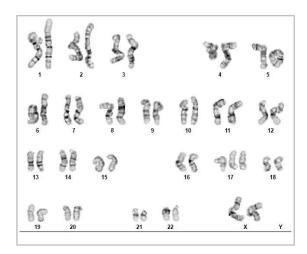
Cell Line: B2M-/Edimer(preCre)Elf1- Reason for Testing: lot release testing

WB67166 14644

Passage#: 7

Date of Sample: 5/8/2019 Investigator: _____, WiCell Specimen: Human ES

Results: 47,XX,+17[2]/46,XX[13]



Cell: 27 Slide: G03

Slide Type: Karyotype

Total Counted: 15
Total Analyzed: 12
Total Karyogrammed: 6
Band Resolution: 400 - 500

Interpretation:

This is an abnormal karyotype. An extra copy of chromosome 17 (trisomy 17) is present in two of fifteen cells examined. Gain of chromosome 17 is recurrently acquired in pluripotent stem cell cultures. No other clonal abnormalities were detected at the stated band level of resolution.

This is a limited analysis, based on fifteen cells examined. Standard analysis requires examination of twenty cells. All analyzable metaphase cells were evaluated.

Completed by: Reviewed and Interpreted by:		CG(ASCP) , PhD, FACMG	
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) https://research.pathology.wisc.edu/trip-home/ (608) 265-9168

characterization@wicell.org (608) 316-4145

Sample Report: 14644-STR

Sample Name on Tube: 14644-STR

 $68.1 \text{ ng/}\mu\text{L}, (A260/280=1.86)$

Sample Type: Cells

Cell Count: ~2 million cells

Requestor: WiCell Research Institute Quality Assurance Department **Receive Date:** 05/20/19 **Report Sent:** 05/24/19 **Assav Date:** 05/21/19

File Name: STR 190522 wmr

Report Date: 05/23/19

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
D8S1179	7-18	been redacted to
vWA	10-22	protect donor confidentiality. If
Amelogenin	X,Y	more information
Penta_D	2.2, 3.2, 5, 7-17	is required,
CSF1PO	6-15	please, contact
D16S539	5, 8-15	WiCell's Technical
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	24,24.2,25,25.2,26-28,28.2,29,29.2, 30, 30.2,31, 31.2,32,32.2,33,33.2, 34,34.2,35,35.2,36-38	
TH01	4-9,9.3,10-11,13.3	
D3S1358	12-20	

Results: Based on the 14644-STR cells submitted by WiCell QA dated and received on 05/20/19, this sample (Label on Tube: 14644-STR) defines the STR profile of the human cell line B2M-/Edimer(preCre)Elf1 comprising 27 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human B2M-/Edimer(preCre)Elf1 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 14644-STR sample submitted corresponds to the B2M-/Edimer(preCre)Elf1 cell line and was 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

X RMB	Digitally Signed on	05/24/19	X WMR	Digitally Signed on 05/	//24/19
TRIP La	, BA boratory, Molecular		UWHC Mole	, PhD, Director / Co-Director lecular Diagnostics Laboratory / UWSMPH	H TRIP Laboratory

Native Product Sterility Report



SAMPLE #:

19050849

WiCell

504 S Rosa Road, Rm 101

Madison, WI 53719

DATE RECEIVED:

09-May-19

TEST INITIATED:

15-May-19

TEST COMPLETED:

29-May-19

SAMPLE NAME / DESCRIPTION:

MCW057i-A3286 B2M-/Etrimer Elf1

WB67153 WB67154 14647 14648

MCW033i-A7195

WB67156

14649

MCW061i-40000329

WB67157 WB67158 14650

MCW059i-40001067 MCW070i-40002330

WB67159

14651 14652

B2M-/- Elf1

WB67160

14653 14654

JHU210i WB67162 MCW052i-40001760

WB67163

14655

B2M-/Edimer Elf1 MCW063i-40000190 WB67155 WB67164 14656 14657

MCW063i-40000190 MCW065i-40001296

B2M-/Edimer(preCre)Elf1

WB67165

14658 14659

MCW069i-40000268 MCW093i-40000435 WB67167

WB67166

14660

MCW093i-40000435 PACS1003i-GM27161

WB67168 DB67161 14661 14662

STAN011i-123-1

DB31129

14663

STAN012i-123-2 STAN015i-178-1 DB31135 DB31094 14664 14665

STAN016i-178-2

DB31107

14666

UNIQUE IDENTIFIER:

NA

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 Laboratories 9303 West Broadway Ave Brooklyn Park, MN 55445 LAB-003 rev 32 Form 5 Effective: Nov 29, 2018 Page 1 of 2

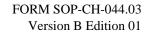
Native Product Sterility Report



C	OMN	/FN	TS	•	NA
\smile		A111.A		•	14/

REVIEWED BY	Man	DATE 29MAV19

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.



WiCell

Mycoplasma Assay Report

PCR-based assay performed by WiCell
Lot Release Testing
20May19

#	Sample Name	Result	Comments/Suggestions
1	B2M-/Edimer(preCre)Elf1-WB67166 14686	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
2	Positive (+) Control	Positive	
3	Negative (-) Control	Negative	

Reported by: Katie Remondini, Cell Culture Specialist
Reviewed by: Sondra Minter, Cell Culture Specialist
Date:______ Sent By:____ Sent To_____

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A gel image is available upon request.