

Product Information and Testing

Product Information

Product Name	WC009i-FX08-01
Alias	FX08-1
Lot Number	WB16840
Depositor	University of Wisconsin – Laboratory of Dr. Anita Bhattacharyya
Banked by	WiCell
Thaw Recommendation	Thaw 1 vial into 1 well of a 6 well plate.
Culture Platform	Feeder Dependent
	Medium: hES Medium
	Matrix: MEF
Protocol	WiCell Feeder Dependent Protocol
Passage Number	p25
	These cells were cultured for 24 passages prior to freeze. WiCell adds +1 to the passage number at freeze so that the number on the vial best represents the overall passage number of the cells at thaw.
Date Vialed	20-January-2015
Vial Label	WC009i-FX08-01 p25 WB16840
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
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	Biotest Laboratories	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-QU-004	Negative	Pass
Karyotype by G-banding	WiCell	SOP-CH-003	Expected karyotype	Pass

Date of Lot Release	Quality Assurance Approval
09-September-2015	9/9/2015 X AMK AMK Quality Assurance Signed by:



Short Tandem Repeat Analysis

WiCell®
info@wicell.org
(888) 204-1782

Department of Pathology and Laboratory Medicine TRIP Laboratory (Molecular) http://www.pathology.wisc.edu/research/trip

Sample Report: 11145-STR

Sample Name on Tube: 11145-STR 166.5 ng/μL, (A260/280=1.91)

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:WiCell Research Institute
Quality Department

Sample Date: N/A Receive Date: 08/10/15 Assay Date: 08/11/15

File Name: 150813 STR CLN

Report Date: 08/17/15

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 information has
TPOX	6-13	been redacted to
D8S1179	7-18	protect donor
vWA	10-22	confidentiality. If
Amelogenin	X,Y	more information is required, please,
Penta_D	2.2, 3.2, 5, 7-17	contact WiCell's
CSF1PO	6-15	Technical Support.
D16S539	5, 8-15	
D7S820	6-14	
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	

<u>Results:</u> Based on the 11145-STR cells submitted by WiCell QA dated and received on 08/10/15, this sample (Label on Tube: 11145-STR) defines the STR profile of the human stem cell line WC009i-FX08-01 comprising 25 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WC009i-FX08-01 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 11145-STR sample submitted corresponds to the WC009i-FX08-01 stem cell line and was not contaminated with any other human stem cells or a significant amount of mouse feeder layer cells.

<u>Sensitivity</u>: Sensitivity limits for detection of STR polymorphisms unique to either this or other human stem cell lines is $\sim 2-5\%$.

X RMB	Digitally Signed on	08/17/15	X WMR	Digitally Signed on	08/17/15
TRIP La	boratory, Molecular	_	UWHC Molec	, PhD, Director / Co-Director cular Diagnostics Laboratory / UWSI	

Sterility Report

Biotest Laboratories, Inc.

Making life-saving products possible

WiCell Research Institute, Inc. WiCell Quality Assurance

BIOTEST SAMPLE #

15011040

VALIDATION #

NG

TEST PURPOSE

NG

PRODUCT

WC007i-FX13-2-WB16523 11109 WC006i-FX11-9U-WB16522 11110 WC008i-C603-4-WB16524 11111 WC005i-FX11-7-WB16506 11112 WC-3801-2-WB16438 11113 UWWC1-DS2U-WB16352 11114

WA01-WB16217 11115

WIC03i-02-11E-WB15892 11116 IISH8i-GM07125-WB15718 11117 WC009i-FX08-01-WB16840 11118

PRODUCT LOT

NA

STERILE LOT

NA

BILOT

NA

STERILIZATION LOT

NA

BI EXPIRATION DATE NA

STERILIZATION DATE

NA

DATE RECEIVED

2015-01-22

STERILIZATION METHOD NA

TEST INITIATED

2015-01-23

SAMPLING BLDG / ROOM NA

TEST COMPLETED

2015-02-06

REFERENCE

Processed according to LAB-003: Sterility Test Procedure

Ten (10) products were each divided between 40 mL TSB and 40 mL FTG. The samples were then cultured at 20-25 C and 30-35 C respectively and were monitored for a

minimum of 14 days.

⊠ USP

BI Manufacturers Specifications

☐ Other

RESULTS

POSITIVES

0

TESTED

POSITIVE CONTROL

NEGATIVE CONTROL

Sterile

10

NA

2 Negatives

COMMENTS NA

REVIEWED BY



DATE OXOFEBIS

Specific test results may not be indicative of the characteristics of any other samples from the same lot or similar lots, Liability is limited to the costs of the tests. Biotest Laboratories = 9303 West Broadway Ave. = Brooklyn Park, MN 55445 = USA = (763) 315-1200

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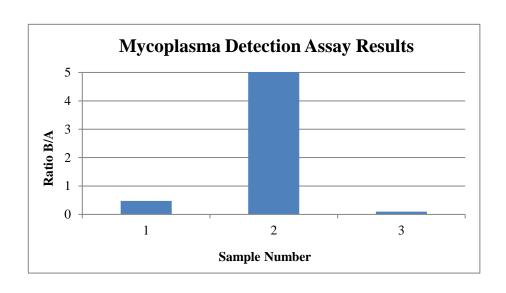


Mycoplasma Detection Assay Report Testing Performed by WiCell

Testing Performed by WiCell Lot Release Testing 02-20-2015

FORM SOP-QU-004.01 Version C Edition 01 Reported by: SS Reviewed by: JB Berthold Flash n' Glo 539

		Reading A		A	Reading B		В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	WC009i-FX08-01 WB16840 11145	175	190	182.5	88	86	87	0.48	Negative	
2	Positive (+) Control	248	238	243	19340	19347	19344	79.60	Positive	
3	Negative (-) Control	435	440	437.5	43	43	43	0.10	Negative	





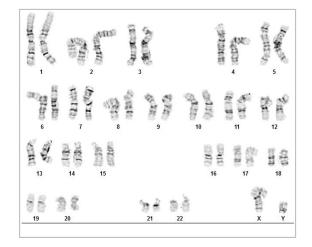
Chromosome Analysis Report: 017744

Date Reported: Tuesday, March 10, 2015
Cell Line: WC009i-FX08-01-WB16840 11145

Passage#: 27

Date of Sample: 3/3/2015

Specimen: iPSC Results: 46,XY



Cell Line Gender: Male

Reason for Testing: lot release testing

Investigator: , CDM

Cell: 5 Slide: 3

Slide Type: Karyotype

Total Counted: 20
Total Analyzed: 8
Total Karyotyped: 4

Band Resolution: 425 - 450

QC Review By: _

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

Sent By:____

A signed copy of this report is available upon request.

Limitations:	This assay allows for	microscopic visualiz	ation of numerical and s	tructural chromosome	abnormalities. T	he size of structural a	bnormality that	can be detected
			htained from this anasim					

Sent To:

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 may not be relied upon by any other party without the prior written consent of the Director of the WiCell Cytogenetics Laboratory. The results of this assay are for research use only. If the results of this assay are to be used for any other purpose, contact the Director of the WiCell Cytogenetics Laboratory.

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