

Product Information and Testing

Product Information

Product Name	LT2e-H9CAGGFP			
Lot Number	WB0207			
Parent Material	DB0001			
Depositor	Life Technologies			
Banked by	WiCell			
Thaw Recommendation	Thaw 1 vial into 3 wells of a 6 well plate.			
Culture Platform	Feeder Independent			
	Medium: mTeSR1			
	Matrix: Matrigel			
Protocol	WiCell Feeder Independent mTeSR1 Protocol with Supplement Culturing with Hygromycin and Zeocin			
Passage Number	p75 These cells were cultured for 74 passages prior to freeze, 3 of them in mTeSR1/Matrigel. The Jump-In R4 clone (C23) was derived from WA09 at p50 and the iCAGG clone was derived from C23 at p60. 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	12-February-2013			
Vial Label	WB0207 LT2e-H9CAGGFP P15 JB 12FEB13			
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	Consistent with known 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
Expression of Reporter Proteins	WiCell	SOP-CH-032	Expression of reporter proteins reported	Pass

Date of Lot Release	Quality Assurance Approval		
	9/28/2016		
11-April-2016	X DEW		
	Quality Assurance Signed by: Wilson, Dustin		



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: 11360-STR

Sample Name on Tube: 11360-STR 172.7 ng/μL, (A260/280=1.94)

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:WiCell Research Institute
Quality Department

Sample Date: N/A Receive Date: 08/24/15 Assay Date: 08/25/15

File Name: 150826 STR TCS Report Date: 08/31/15

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	26,28
TPOX	6-13	10,11
D8S1179	7-18	8,14
vWA	10-22	17,17
Amelogenin	X,Y	X,X
Penta_D	2.2, 3.2, 5, 7-17	9,13
CSF1PO	6-15	11,11
D16S539	5, 8-15	12,13
D7S820	6-14	9,11
D13S317	7-15	9,9
D5S818	7-16	11,12
Penta_E	5-24	11,14
D18S51	8-10, 10.2, 11-13, 13.2, 14-27	13,13
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	30,30
TH01	4-9,9.3,10-11,13.3	9.3,9.3
D3S1358	12-20	13,16

<u>Results:</u> Based on the 11360-STR cells submitted by WiCell QA dated and received on 08/24/15, this sample (Label on Tube: 11360-STR) exactly matches the STR profile of the human stem cell line WA09 comprising 24 allelic polymorphisms across the 15 STR loci analyzed.

<u>Interpretation:</u> No STR polymorphisms other than those corresponding to the human WA09 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 11360-STR sample submitted corresponds to the WA09 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 ~2-5%.

X RMB Digitally Signed on 08/31/15

X WMR Digitally Signed on 08/31/15

PhD, Director / Co-Director
TRIP Laboratory, Molecular

UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

Sterility Report

Biotest Laboratories, Inc.

Making life-saving products possible

WiCell Research Institute, WiCell Quality Assurance	Inc.		BIOTEST SAMPLE #	15081899
Wicell Addity Assurance			VALIDATION #	NG
			TEST PURPOSE	NG
PRODUCT	WA09(LOXGFP)-WB2 UWWC1-2DS3-WB200 WC005i-FX11-7-WB200 UWWC1-DS1-WB213-95 WA07-WB21842 1137 LT2e-H9CAGGFP-WE MIN01i-32517.A-WB2 MIN03i-32642.B-WB20 MIN04i-33109.2B-WB20	846 11369 0449 11370 43 11371 6 11372 73 80207 11374 0571 11375		
PRODUCT LOT	NA			
STERILE LOT	NA		BI LOT	NA
STERILIZATION LOT	NA		BI EXPIRATION DATE	NA
STERILIZATION DATE	NA		DATE RECEIVED	2015-08-27
STERILIZATION METHOD	NA		TEST INITIATED	2015-08-28
SAMPLING BLDG / ROOM	NA		TEST COMPLETED	2015-09-11
REFERENCE	Processed accordin	g to LAB-003:	Sterility Test Procedure	
		at 20-25 C and		and 40 mL FTG. The sample: and were monitored for a
	☐ USP ☐ BI Manufacturers S ☐ Other	Specifications		
RESULTS Sterile	# POSITIVES 0	# TESTED 10	POSITIVE CONTF NA	ROL NEGATIVE CONTROL 2 Negatives
COMMENTS NA				
REVIEWED BY			DATE	115415

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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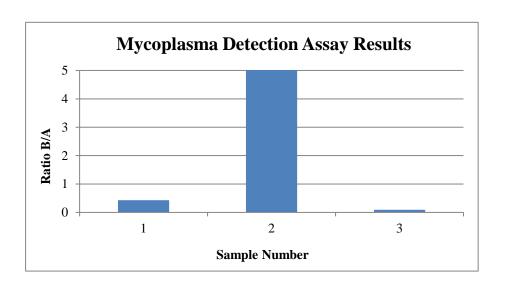


Mycoplasma Detection Assay Report

Testing Performed by WiCell
Lot Release Test
08-20-2015

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

		Reading A A		Read	ing B	В	Ratio			
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	LT2e-H9CAGGFP-WB0207 11360	123	119	121	50	54	52	0.43	Negative	
2	Positive (+) Control	279	273	276	18128	18087	18108	65.61	Positive	
3	Negative (-) Control	502	501	501.5	49	45	47	0.09	Negative	





Chromosome Analysis Report: 021779

Date Reported: Friday, August 21, 2015 Cell Line: LT2e-H9CAGGFP-WB0207 11360

Passage#: 15

Date of Sample: 8/11/2015

Specimen: hESC Results: 46,XX

1 2 3 4 5

6 7 8 9 10 11 12

13 14 15 16 17 18

Cell Line Gender: Female

Reason for Testing: Lot release testing

Investigator: , WiCell CDM

Cell: 22 Slide: 1

Slide Type: Karyotype

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

Band Resolution: 450 - 525

QC Review By:

Interpretation:

Date:

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.

						-	
1 ::4-4:	This seems allows for animos seems.				. 4 4	4 11	1-44-
Limitations:	This assay allows for microscopic	visualization of numerical a	na structurai chromosome abno	ormalities. The size of s	structurai apnormality ti	nat can be d	etecte

Sent To:

Elminations. This assay allows for incloscopic visualization of munerical and structural cultion continuous managements and the structural authority of the 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 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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Cell Line-Lot Number	LT2e-H9CAGGFP-WB0207
Sample ID	11360
Passage Number	17
Reported By/Date	JB 11FEB15
QA Review By/Date	
Percent Positive for Reporter Protein	99.8
Deviations from Procedure	⊠ N/A
Notes	N/A

Histogram Plot Indicating Positive Percentage of the Reporting Gene

Red peak is negative control population. Blue peak is test population.

