

Product Information and Testing

Product Information

Product Name	RUES2	
WiCell Lot Number	DB17752	
Depositor	The Rockefeller University - Laboratory of Dr. Ali Brivani	lou
Banked by	The Rockefeller University - Laboratory of Dr. Ali Brivani	lou
Culture Platform	Culture Platform prior to Freeze	Thaw Recommendation
	Medium: Conditioned Medium (per depositor protocol)	Medium: mTeSR1
	Matrix: Laminin-521	Matrix: Matrigel
		Thaw 1 vial into 2 wells of a 6 well plate.
Protocol	WiCell recommends using our WiCell Feeder Independent protocol provided by the depositor is available upon requirements.	
Passage Number	p23 These cells were cultured for 22 passages prior to freez Depositor adds +1 to the passage number at freeze so t passage number of the cells at thaw.	
Date Vialed	30-November-2014	
Vial Label	R2 p23 11.30.14	
Biosafety and Use Information	Appropriate biosafety precautions should be followed w responsible for ensuring that the cells are handled and responsible for damages or injuries that may result from Cells distributed by WiCell are intended for research pu	stored in an appropriate manner. WiCell is not not he use of these cells.

Testing Reported by Depositor

Test Description	Result	Report
Karyotype	No abnormalities	Not Available
Mycoplamsa	Negative	Not Available
Oct 3/4	Present	Not Available
Nanog	Present	Not Available
SSEA4	Present	Not Available
Teratoma	3 germ layers	Not Available

Testing Performed by WiCell

Test Description	Test Provider	Test Method	Test Specification	Result
Post-Thaw Viable Cell Recovery	WiCell	SOP-CH-305	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	Report karyotype	Pass



Product Information and Testing

Date of Lot Release	Quality Assurance Approval				
	5/29/2015				
29-May-2015	X amk				
27 may 2010	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: 11213-STR

Sample Name on Tube: 11213-STR

55.1 ng/µL, (A260/280=1.93)

Sample Type: Cells

Cell Count: ~2 million cells

Requestor:

WiCell Research Institute Quality Department Sample Date: N/A Receive Date: 04/23/15 Assay Date: 04/28/15

File Name: 150430 **Report Date:** 05/04/15

STR Locus	STR Genotype Repeat #	STR Genotype			
FGA	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				
TPOX	6-13	8,8			
D8S1179	7-18	10,13			
vWA	10-22	16,16			
Amelogenin	X,Y	X,X			
Penta_D	2.2, 3.2, 5, 7-17	9,12			
CSF1PO	6-15	11,11			
D16S539	5, 8-15	12,15			
D7S820	6-14	12,13			
D13S317	7-15	11,11			
D5S818	7-16	11,12			
Penta_E	5-24	13,14			
D18S51	8-10, 10.2, 11-13, 13.2, 14-27	16,18			
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	29,29			
TH01	4-9,9.3,10-11,13.3	7,9.3			
D3S1358	12-20	14,15			

<u>Results:</u> Based on the 11213-STR cells submitted by WiCell QA dated and received on 04/23/15, this sample (Label on Tube: 11213-STR) defines the STR profile of the human stem cell line RUES2 comprising 25 allelic polymorphisms across the 15 STR loci analyzed.

Interpretation: No STR polymorphisms other than those corresponding to the human RUES2 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 11213-STR sample submitted corresponds to the RUES2 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 05/04/15

X WMR Digitally Signed on 05/04/15

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, Inc. WiCell Quality Assurance

BIOTEST SAMPLE #

15040038

VALIDATION #

NG

TEST PURPOSE

NG

PRODUCT

UWWC1-2DS3-WB17713 11202 WIC01i-02-1c-WB17715 11203 UWWC1-DS1-WB17810 11204 UWWC1-DS2U-WB17714 11205 WC-3801-2-WB17984 11206 WC006i-FX11-9U-WB18069 11207 WC-3902-10-RS-WB16861 11208 WC-3902-08-RS-WB17010 11209 RUES2-DB17752 11210

RUES1-DB17210 11211

RUES2-DB17752 is labeled as R2 p23 11.30.14

RUES1-DB17210 is labeled as R1 p25.

PRODUCT LOT

STERILE LOT

NA

NA

BILOT

NA

STERILIZATION LOT

STERILIZATION DATE

NA NA BI EXPIRATION DATE NA DATE RECEIVED

2015-04-01

STERILIZATION METHOD NA

TEST INITIATED

2015-04-02

SAMPLING BLDG / ROOM NA

TEST COMPLETED

2015-04-16

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 Sterile # POSITIVES 0

TESTED 10

POSITIVE CONTROL NA

NEGATIVE CONTROL 2 Negatives

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, Inc.

Making life-saving products possible

BIOTEST SAMPLE # 15040038

COMMENTS NA

REVIEWED BY

DATE

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,

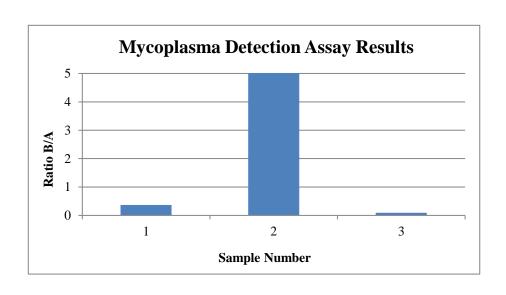


Mycoplasma Detection Assay Report Testing Performed by WiCell

Testing Performed by WiCell Lot Release Test 03-27-2015

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

		Read	ing A	A	Read	ing B	В	Ratio		
#	Sample Name	RLU1	RLU2	Ave	RLU1	RLU2	Ave	B/A	Result	Comments/Suggestions
1	RUES2 DB17752 11213	161	160	160.5	57	62	59.5	0.37	Negative	
2	Positive (+) Control	243	228	235.5	17549	17565	17557	74.55	Positive	
3	Negative (-) Control	503	494	498.5	44	50	47	0.09	Negative	





Chromosome Analysis Report: 018370

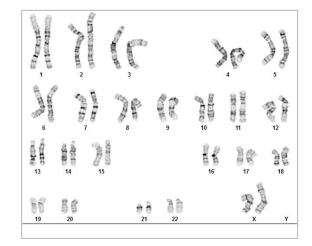
Date Reported: Monday, April 20, 2015

Cell Line: RUES2-DB17752 11213

Passage#: 25

Date of Sample: 4/10/2015

Specimen: hESC Results: 46,XX



Cell Line Gender: Female

Reason for Testing: Lot release testing

Investigator: WiCell CDM

Cell: 23 Slide: 2

Slide Type: Karyotype

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

Band Resolution: 425 - 500

QC Review By: _

Interpretation:

This is a normal karyotype. No clonal abnormalities were detected at the stated band level of resolution.

Completed by:	n MS, CG(ASCP)
Reviewed and Interpreted by:	, PhD, FACMG

Sent By:____

A signed copy of this report is available upon request.

Director of the WiCell Cytogenetics Laboratory.

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
habloid genome. It is documented here as "band level", i.e., the range of bands determined from the four karvograms in this assay. Detection of heterogeneity of clonal

Sent To:_

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

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