# Thaw and Culture Details

| | |
|---|---|
| Cell Line Name | **LUEL8357i-3** |
| WiCell Lot Number | **WB66993** |
| Provider | Luebeck University, Dr. Christine Klein |
| Banked By | WiCell |
| Thaw and Culture Recommendations | WiCell recommends thawing 1 vial into 3 wells of a 6 well plate. |
| Culture Platform | Feeder Independent |
| | Medium: mTeSR™1 |
| | Matrix: Matrigel® |
| Protocol | WiCell Feeder Independent mTeSR™1 Protocol |
| Passage Number | p14<br>These cells were cultured for 13 passages prior to freeze and post colony picking. WiCell adds +1 to the passage number at freeze to best represent what the overall passage number of the cells at thaw. Plated cells at thaw should be labeled passage 14. |
| Date Vialed | 11-January-2019 |
| Vial Label | LUEL8357i-3<br>p14<br>WB66993 |
| 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.<br>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 |
|---|---|---|---|---|
| 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-CH-044 | Negative | Pass |

# Testing Reported by Provider

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

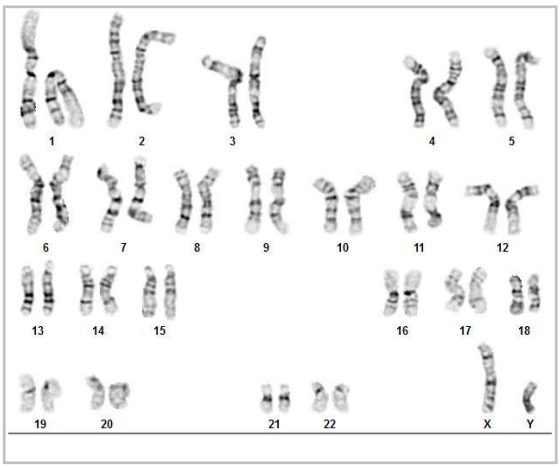
| Test Description | Result | Report |
|---|---|---|
| HIV, HBV, and HCV Screening | Negative | Report not available |

| Approval Date | Quality Assurance Approval |
| --- | --- |
| 14-March-2019 | 3/14/2019<br>X JKG<br>JKG<br>Quality Assurance<br>Signed by: Gay, Jenna |

# Chromosome Analysis Report: 074748

**Date Reported:** Thursday, January 31, 2019
**Cell Line:** LUEL8357i-3-WB66993 14261
**Passage#:** 14
**Date of Sample:** 1/22/2019
**Specimen:** Human IPS
**Results:** 46,XY

**Cell Line Sex:** Male
**Reason for Testing:** lot release testing
**Investigator:** [redacted] WiCell




**Cell:** 3
**Slide:** G02
**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:** [redacted], CG(ASCP)
**Reviewed and Interpreted by:** [redacted] 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".*

# Short Tandem Repeat Analysis

TRIPath
HISTOLOGY - IHC - MOLECULAR - IMAGING
Department of Pathology and Laboratory Medicine
TRIP Laboratory (Molecular)
https://research.pathology.wisc.edu/trip/
(608) 265-9168

WiCell
Your Lab Partner
characterization@wicell.org
(608) 316-4145

**Sample Report:**
14261-STR
**Sample Name on Tube:** 14261-STR
64.9 ng/µL, (A260/280=1.92)
**Sample Type:** Cells
**Cell Count:** ~2 million cells

**Requestor:**
WiCell Research Institute
Quality Assurance Department

**Receive Date:** 01/29/19
**Report Sent:** 02/05/19
**Assay Date:** 01/31/19
**File Name:** STR 190201 wmr
**Report Date:** 02//04/19

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

**Results:** **Based on the 14261-STR cells submitted by WiCell QA dated and received on 01/29/19, this sample (Label on Tube: 14261-STR) defines the STR profile of the human stem cell line LUEL8357i-3 comprising 30 allelic polymorphisms across the 15 STR loci analyzed.**

**Interpretation:** **No STR polymorphisms other than those corresponding to the human LUEL8357i-3 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 14261-STR sample submitted corresponds to the LUEL8357i-3 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 ~2-5%.**

X *RMB* **Digitally Signed on 02/05/19**

[redacted], *BA*
*TRIP Laboratory, Molecular*

X *WMR* **Digitally Signed on 02/05/19**

[redacted], *PhD, Director / Co-Director*
*UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory*

# Native Product Sterility Report

STERIS

| | |
|---|---|
| SAMPLE #: | 19020546 |
| DATE RECEIVED: | 07-Feb-19 |
| TEST INITIATED: | 12-Feb-19 |
| TEST COMPLETED: | 26-Feb-19 |

WiCell
504 S Rosa Road, Rm 101
Madison, WI 53719

SAMPLE NAME / DESCRIPTION:

JHU142i DB41344 14264
LUEL8357i-3 WB66993 14265
LUEL8361i-2 WB66989 14266
LUEL7991i-4 WB66994 14267
WC039i-17097-01-22 WB67004 14268
WC040i-17097-01-26 WB67005 14269
WC041i-17097-01-34 WB67002 14270
LUEL7159i-7 WB67001 14271
JHU106i WB67003 14272
LUEL8312i-4 WB67006 14273
WA09 WB66998 14306
WA09 WB66999 14307
WA09 WB67000 14308
STAN269i-720C2 DB44430 14309
STAN371i-868C5 DB44638 14310
WC038i-38-01 WB67007 14311
MIN02i-32517.B WB20619 14312
JHU162i DB36362 14313
STAN175i-373C4 DB44553 14322
STAN176i-373C6 DB44556 14323

UNIQUE IDENTIFIER: NA

TEST RESULTS:

| # Tested | # Positives (Growth) | - Control |
|---|---|---|
| 20 | 1 | 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

# Native Product Sterility Report

STERIS

COMMENTS: Sample labeled as "JHU142i DB41344 14264" was positive in both TSB and FTG.

REVIEWED BY _____ DATE 28FEB19

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.

# Mycoplasma Assay Report

PCR-based assay performed by WiCell

WiCell SCB

25Jan19



| # | Sample Name | Result | Comments/Suggestions |
|---|---|---|---|
| 1 | LUEL8357i-3-WB66993 14261 | Negative | Band was not seen at 270bp, indicating the absence of mycoplasma |
| 2 | Positive (+) Control | Positive | |
| 3 | Negative (-) Control | Negative | |

**Reported by: Gustavo Velazquez, Research Specialist - Cytogenetics**
**Reviewed by: Brenna Anderson, Research Specialist - Cytogenetics**
**Date:_____ Sent By:____ Sent To_____**



*A gel image is available upon request.*