



## Thaw and Culture Details

Cell Line Name	<b>CHB8 - PCBC</b>
WiCell Lot Number	<b>DB66974</b>
Provider	Boston Children's Hospital - Dr. George Daley
Banked By	National Heart, Lung and Blood Institute Progenitor Cell Biology Consortium (NHLBI PCBC)
Thaw and Culture Recommendations	WiCell recommends thawing 1 vial into 2 wells of a 6 well plate. WiCell recommends thawing using ROCK Inhibitor for best results. The Provider recommends only dispase passaging.
Protocol	WiCell Feeder Independent Pluripotent Stem Cell Protocol
Culture Platform Prior to Freeze	Feeder Independent
	Medium: mTeSR™1
	Matrix: Matrigel®
Passage Number	p34 These cells were cultured for 33 passages prior to freeze. The Provider adds +1 to the passage number at freeze to best represent the overall passage number of the cells at thaw. Therefore, plated cells at thaw should be labeled passage 34.
Date Viald	19-June-2015
Vial Label	SC12-039 p34 19Jun2015 RAS
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
Karyotype by G-banding	WiCell	SOP-49	Expected karyotype	See Report
Post-Thaw Viable Cell Recovery	WiCell	SOP-99	Recoverable attachment after passage	Pass
Identity by STR	UW Translational Research Initiatives in Pathology Laboratory	PowerPlex 16 HS System by Promega	Defines STR profile of deposited cell line	Pass
Sterility	Steris	ST/07	Negative	Pass
Mycoplasma	WiCell	SOP-79	Negative	Pass



## Testing Reported by Provider

The Provider stated that some or all of the additional analyses listed below may have been performed for this cell line. For more information, publication and Synapse links, where available, are provided on the cell line specific web page on the WiCell website.

- RNA-Seq
- Teratoma representative of all three embryonic germ layers identified in all tumors with histopathological analysis
- SNP microarray
- Immunostaining analysis to confirm pluripotency and OCT4 to evaluate the presence of undifferentiated PSC
- mRNA, miRNA, and methylation profiling
- Genomics characterization
- Flow Cytometry (SSEA-1, SSEA-4, Tra 1-61, Tra 1-80, CD9, OCT-4)

Approval Date	Quality Assurance Approval
10-September-2020	<div>9/10/2020</div> <div>X JKG</div> <div>JKG</div> <div>Quality Assurance</div> <div>Signed by Gay, Jenna</div>

**Date Reported:** Tuesday, September 1, 2020

**Cell Line:** CHB8 - PCBC-DB66974

**Submitted Passage #:** 35

**Date of Sample:** 8/25/2020

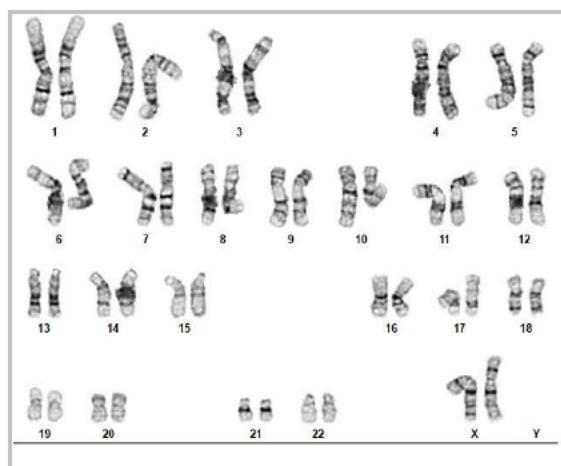
**Specimen:** Human ESC

**Results:** 46,XX

**Cell Line Sex:** Female

**Reason for Testing:** LOT\_RELEASE

**Investigator:** WiCell Stem Cell Bank, WiCell



**Cell:** 34

**Slide:** G03

**Slide Type:** Karyotype

**Total Counted:** 20

**Total Analyzed:** 8

**Total Karyogrammed:** 4

**Band Resolution:** 425 - 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], Ph.D.

**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](http://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

Requestor: WiCell Characterization

Receive Date: 08/31/20

Report Sent: 09/08/20

Label on tube	82578	82580	82713	82714	82715
Label on Report	H9 inGFP <sup>ES</sup> -WB67521 p.40 (82578)	CHB8-PCBC-DB66974 p.35 (82580)	H13-FMR1-KO-WB67530 p.54 (82713)	PENN086i-278-1-DB34737 p.15 (82714)	PENN062i-278-2-DB34984 p.15 (82715)
conc (ng/μL)	Identifying information has been redacted to protect donor confidentiality. If more information is required, please, contact <a href="#">WiCell's Technical Support.</a>	90.5	Identifying information has been redacted to protect donor confidentiality. If more information is required, please, contact <a href="#">WiCell's Technical Support.</a>		
A260/280		1.73			
Assay Date		9/2/2020			
File Name		STR 200904 wmr			
FGA		19,23			
TPOX		8,11			
D8S1179		12,13			
vWA		14,15			
Amelogenin		X,X			
Penta_D		13,13			
CSF1PO		12,14			
D16S539		9,10			
D7S820		8,10			
D13S317		8,12			
D5S818		11,11			
Penta_E		14,14			
D18S51		12,14			
D21S11		28,30			
TH01		7,9.3			
D3S1358		16,17			
Allelic Polymorphisms	24	27	28	25	25
Matches*					
Comments					



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



**Your Lab Partner**  
[characterization@wicell.org](mailto:characterization@wicell.org)  
 (608) 316-4145

## Short Tandem Repeat Analysis

**Results:** Based on the DNA submitted by WiCell Characterization Department dated and received on 08/31/20, these samples define the STR profiles of the human cell lines as indicated by name. The genotypic profiles comprise a range of 24-28 allelic polymorphisms across the 15 STR loci analyzed.

**Interpretation:** 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. These results suggests that the cells submitted correspond to the cell lines as named and were 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 is ~2-5%.

**Acknowledge TRIP in your publications, posters & presentations. For details, see:**  
<https://research.pathology.wisc.edu/acknowledging-trip/>

**\* Note:** The STR profile of the following sample is an exact match for the given sample/samples.

X *RMB*

Digitally Signed on 09/08/20

BA

TRIP Laboratory, Molecular

X *WMR*

Digitally Signed on 09/08/20

, PhD, Director / Co-Director

UWHC Molecular Diagnostics Laboratory / UWSMPH TRIP Laboratory

Testing was accomplished by analysis of human genetic polymorphisms at STR loci. This methodology has not yet been approved by the FDA and is for investigational use only.

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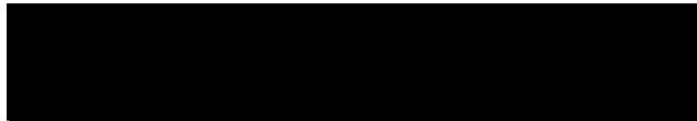
# Native Product Sterility Report



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

SAMPLE #: 20061484  
DATE RECEIVED: 25-Jun-20  
TEST INITIATED: 01-Jul-20  
TEST COMPLETED: 15-Jul-20

SAMPLE NAME / DESCRIPTION:



SCRPO307i-WB67453  
STAN093i-081C1-WB67435  
SCRPO402i-DB42018  
GFAP-R416W-WB67486  
GFAP-R416R-WB67485  
GFAP-R88R-WB67491  
MIN09i-33114.C-WB67492  
CHB8-DB66974

UNIQUE IDENTIFIER:

NA

TEST RESULTS:

# Tested	# Positives (Growth)	- Control
10	0	2 Negatives

TEST SUMMARY:

# Samples	Media Type	Volume (mL)	Incubation Temperature (° C)	Incubation Duration (Days)
10	TSB	40	20-25	14
10	FTG	40	30-35	14

# Native Product Sterility Report



REFERENCE: Processed according to LAB-003: Sterility Test Procedure

PD #: 000053

TEST METHODOLOGY: USP - Direct Transfer

COMMENTS: NA

REVIEWED BY

A handwritten signature in blue ink, consisting of a large, stylized 'C' followed by a horizontal line and a small flourish.

DATE

16 JUL 2020

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

02Sep20

FORM SOP-83.01

Version 01

Sample Name	Result	Comments/Suggestions
INC 169 28Aug20MMM (82734)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC149 Pool 1 29Aug20AP (82735)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
INC149 Pool 2 29Aug20AP (82736)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
CHB8 - PCBC-DB66974 (82756)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
H9 inGFPPhES-WB67521 (82757)	Negative	Band was not seen at 270bp, indicating the absence of mycoplasma.
Positive (+) Control	Positive	
Negative (-) Control	Negative	

Reported by: [REDACTED], Assistant Research Specialist

Reviewed by: [REDACTED] Senior Cell Culture Specialist

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*A gel image is available upon request.*