



## Cell Line: WA01 Lot: 5

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This material predates when WiCell produced a certificate of analysis for each lot. Therefore, a certificate of analysis is not available. The following pages are the reports for the testing completed for this lot.

If you have any questions please contact WiCell's technical support staff via our website side at [www.wicell.org](http://www.wicell.org) and we will be happy to assist you.

Thank you,

WiCell



# Laboratory Report

Cytogenetics  
(608) 262-0402

Patient Name: H1p23 Lot5&6,

Patient Address:

Leanne Crandall

WICell Research Institute

SLH Lab #: 61090

Date of Birth:

Clinic or Hospital#:

Reason for Referral: DNA Fingerprinting

Report Date: 12/5/2003

Date Collected: 11/11/2003

Date Received: 11/11/2003

Specimen: CLID	Test(s) Performed: FISH	Amount:
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## CYTOGENETIC RESULTS:

No. of Cells Examined:

No. of Colonies:

No. of Karyotypes:

Band Level:

Results: see page 2

Interpretation: Method

DNA was isolated from a cell pellet collected in PBS using the Promega-IQ DNA isolation kit. The isolated DNA was amplified by PCR using the Promega Powerplex16 amplification kit with primers for 15 STR(short tandem repeat) loci consisting of short repetitive sequence elements 3-7 base pairs in length. The post PCR product was analyzed on the ABI 3100 DNA sequencer and the data was used to make allele assignments for each locus.

Fingerprint matches as of 12/10/03: H1p26 lot 2 (61098 CLID), H1p25 lot 3 (61089 CLID)

Results called to

DNA FINGERPRINT

Lab Number 61090CLID

Cell Line ID Identifier H1 p23 Lot 5&6

Species Human ES

RESULTS and INTERPRETATION

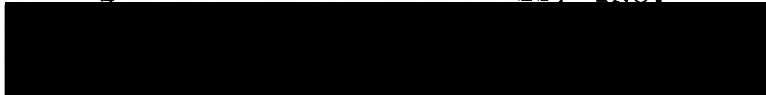
Loci								
#	D3S1358	TH01	D21S11	D18S51	PENTA E	D5S818	D13S317	D7S820
Alleles	15,15	9.3,9.3	28,32.2	17,18	10,12	9,11	8,11	8,12

Loci								
	D16S539	CSF1PO	PENTA D	AMEL	Vwa	D8S1179	TPOX	FGA
Alleles	9,13	12,13	10,13	X,Y	15,17	12,13	8,11	20,24

Gender assignment XY  
Fingerprint matches as of 12/10/03: H1p25 Lot 3(61089 CLID), H1p26 Lot2

The population frequency for the genotype observed in this cell line ranges from 1 in 1.83 x10<sup>17</sup> for Caucasian-Americans to 1 in 1.41 x 10<sup>18</sup> for African Americans.

This test was validated in our laboratory using NIST DNA standards. These results are not for clinical use and are intended for research use on cell lines.



APPENDIX IV

Page 1 of 2

Document#: DCF3013D  
Edition#: 10  
Effective Date: 07/15/2003  
Title: M-250 FINAL REPORT SHEET

M-250 FINAL REPORT

Direct Specimen Culture  
Procedure 3008, 3011, 3013

TO:



BIONIQUE SAMPLE ID#: 35021 P.O.#: DATE REC'D: 07/09/2003

TEST/CONTROL ARTICLE:

H1 p23

LOT#: NA

DIRECT CULTURE SET-UP (DAY 0)  
INDICATOR CELL LINE (VERO)

DATE: 07/09/2003

SEE DNA FLUOROCHROME RECORD SHEET

DATE

THIOGLYCOLLATE BROTH	DAY 7	+	⊖	07/16/2003
	DAY 28	+	⊖	08/06/2003
BROTH-FORTIFIED COMMERCIAL				
0.5 mL SAMPLE	DAY 7	+	⊖	07/16/2003
6.0 mL BROTH	DAY 28	+	⊖	08/06/2003
BROTH-MODIFIED HAYFLICK				
0.5 mL SAMPLE	DAY 7	+	⊖	07/16/2003
6.0 mL BROTH	DAY 28	+	⊖	08/06/2003
BROTH-HEART INFUSION				
0.5 mL SAMPLE	DAY 7	+	⊖	07/16/2003
6.0 mL BROTH	DAY 28	+	⊖	08/06/2003

(See Reverse)

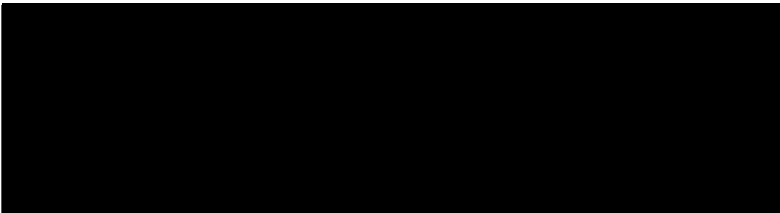
Document#: DCF3013D  
Edition#: 10  
Effective Date: 07/15/2003  
Title: M-250 FINAL REPORT SHEET

SAMPLE ID#: 35021		AEROBIC		ANAEROBIC		DATE
AGAR PLATES-FORTIFIED COMMERCIAL	DAY 7	+	⊖	+	⊖	<u>07/16/2003</u>
	DAY 14	+	⊖	+	⊖	<u>07/23/2003</u>
	DAY 21	+	⊖	+	⊖	<u>07/30/2003</u>
AGAR PLATES-MODIFIED HAYFLICK	DAY 7	+	⊖	+	⊖	<u>07/16/2003</u>
	DAY 14	+	⊖	+	⊖	<u>07/23/2003</u>
	DAY 21	+	⊖	+	⊖	<u>07/30/2003</u>
AGAR PLATES-HEART INFUSION	DAY 7	+	⊖	+	⊖	<u>07/16/2003</u>
	DAY 14	+	⊖	+	⊖	<u>07/23/2003</u>
	DAY 21	+	⊖	+	⊖	<u>07/30/2003</u>

BROTH SUBCULTURES (DAY 7)		DATE: <u>07/16/2003</u>				
AGAR PLATES-FORTIFIED	DAY 7	+	⊖	+	⊖	<u>07/23/2003</u>
COMMERCIAL	DAY 14	+	⊖	+	⊖	<u>07/30/2003</u>
	DAY 21	+	⊖	+	⊖	<u>08/06/2003</u>
AGAR PLATES-MODIFIED	DAY 7	+	⊖	+	⊖	<u>07/23/2003</u>
HAYFLICK	DAY 14	+	⊖	+	⊖	<u>07/30/2003</u>
	DAY 21	+	⊖	+	⊖	<u>08/06/2003</u>
AGAR PLATES-HEART	DAY 7	+	⊖	+	⊖	<u>07/23/2003</u>
INFUSION	DAY 14	+	⊖	+	⊖	<u>07/30/2003</u>
	DAY 21	+	⊖	+	⊖	<u>08/06/2003</u>

RESULTS: No detectable mycoplasmal contamination

8/6/03  
Date



M-250 Procedural Summary: The objective of this test is to ascertain whether or not detectable mycoplasmas are present in an in vitro cell culture sample, be it a primary culture, hybridoma, master seed stock or cell line. This procedure combines an indirect DNA staining approach to detect non-cultivable mycoplasmas with a direct culture methodology utilizing three different mycoplasmal media formulations. The indirect approach involves the inoculation of the sample into a mycoplasma-free VERO (ATCC) indicator cell line and performing a DNA fluorochrome assay after 72-120 hours of incubation. The direct culture aspect of the test utilizes three different mycoplasmal media including both broth and agar formulations. The sample is inoculated into each of the 3 broth formulations and also onto duplicate plates (0.1 mL/plate) for each of the 3 agar formulations. Subculture from broth to fresh agar plates is carried out after 7 days incubation. Agar plates are incubated aerobically and anaerobically in order to detect any colony forming units morphologically indicative of mycoplasmal contamination. Issuance of the final report with signature of the Scientific Director/Study Director signifies that the required controls were performed concurrently with the test sample(s) as detailed in the referenced SOPs and that all test conditions have been found to meet the required acceptance criteria for a valid test, including the appropriate results for the positive and negative controls.

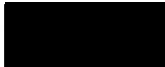


## APPENDIX I

Document #: DCF3008A  
Edition #: 05  
Effective date: 7/16/2001  
Title: DNA FLUOROCHROME ASSAY RESULTS

**DNA-FLUOROCHROME ASSAY RESULTS**

Procedures 3008, 3009, 3011

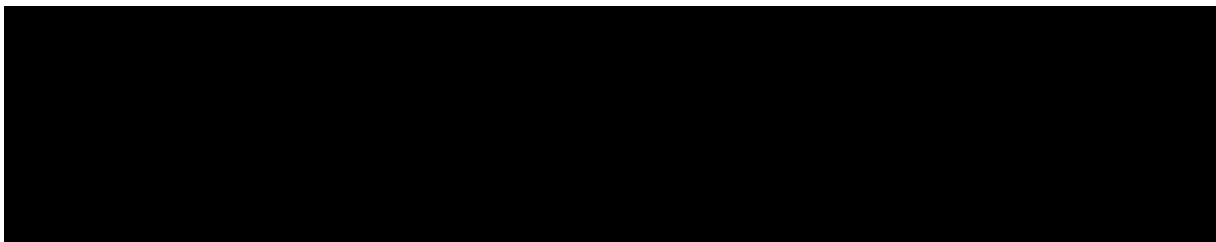
Sample ID # 35021      M-250      Date Rec'd: 07/09/2003      P.O. # 

Indicator Cells Inoculated:      Date/Initials: 7/10/03 / BBB

Fixation:      Date/Initials: 7/14/03 / BBB

Staining:      Date/Initials: 7/14/03 / BBB

TEST/CONTROL ARTICLE:

H1 p23LOT# NA  
**DNA FLUOROCHROME ASSAY RESULTS:**

✓ **NEGATIVE:** A reaction with staining limited to the nuclear region, which indicates no mycoplasmal contamination.

       **POSITIVE:** A significant amount of extranuclear staining which strongly suggests mycoplasmal contamination.

       **INCONCLUSIVE:**

       A significant amount of extranuclear staining consistent with low - level mycoplasmal contamination or nuclear degeneration.

       A significant amount of extranuclear staining consistent with bacterial, fungal, viral or other microbial contaminant. Morphology not consistent for mycoplasmal contamination.

COMMENTS:

Results Read by: BM      Date: 7/14/03      Reviewed by: CM      Date: 7/14/03

NOV 19 2003



Wisconsin State Laboratory of Hygiene

# Laboratory Report

## Cytogenetics

Patient Name: H1p23(Lots5 &6)KV,  
Patient Address:

SLH Lab #: 59681  
Date of Birth:  
Clinic or Hospital#:

Reason for Referral: Confirm, identify cell lines

Report Date: 11/15/2003  
Date Collected: 7/8/2003  
Date Received: 7/8/2003

Specimen: CLID	Test(s) Performed: Culture, Karyotype G-Banding	Amount:
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### CYTOGENETIC RESULTS:

No. of Cells Examined: 20      No. of Colonies:      No. of Karyotypes: 2      Band Level: 550

Results: 46,XY[20] Normal FISH signal pattern for chromosomes 12 and 17

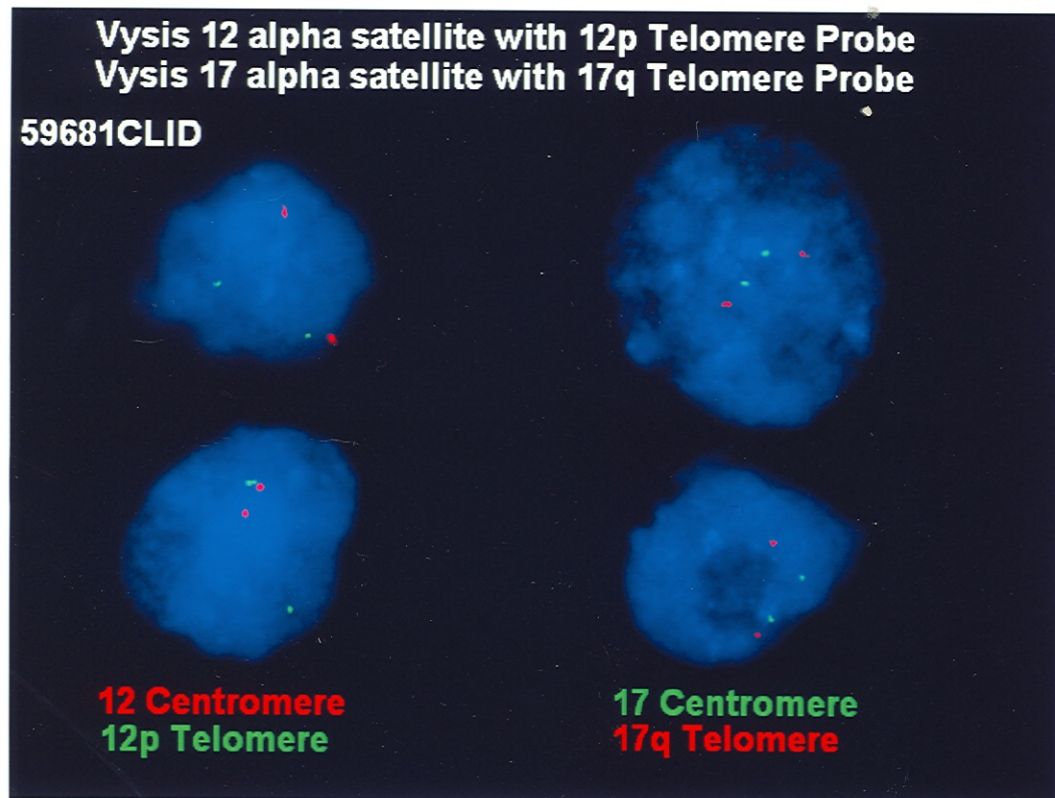
Interpretation: The H1p23 (lot 5&6)KV cell line demonstrated an apparently normal male karyotype in all 20 metaphases.  
Fluorescent in situ hybridization was performed on interphase nuclei (nuc ish) using subtelomere probes for the p arm of chromosome 12 and the q arm of chromosome 17 along with control probes for the centromeric regions of chromosomes 12 and 17. All 100 nuclei demonstrated normal chromosome 12 and 17 copy number.

Results called to



Vysis 12 alpha satellite with 12p Telomere Probe  
Vysis 17 alpha satellite with 17q Telomere Probe

59681CLID



Patient name: H1p23 (Lots 5 & 6) KV

Case name: 59681-CLID



## UW Cytogenetic Services

Case name: 59681--CLID

Patient name: H1p23(lot5&amp;6)KV

Result: 46,XY

