

FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

idxxbioresearch@idexx.comwww.idexxbioresearch.com

IDEXX BioResearch Case # 2527-2017

Received: 1/16/2017

Completed: 1/19/2017

Submitted By

Emi Oe
Gifu Pharmaceutical University
1-25-4 Daigakunishi Gifu-shi 501-1196
Gifu 501-1196
Japan

Phone: 81-(0)80-53391869
Email: ooe.yakkou@gmail.com

Specimen Description

Species: mouse
Description: cells
Number of Specimens/Animals: 1

ID	Cell Line	Species	Strain /Breed
1	661W	mouse	C57BL/6

Services/Tests Performed: CellCheck - mouse (mouse STR profile and interspecies contamination test)**Genetic evaluation for:** Interspecies Contamination Test, Mouse STR Profile**Summary:** Cell Check results are provided in the data results section for each sample. Please see the report for details.

CELL CHECK

Species-specific PCR Evaluation

Species	1
mouse	+
rat	-
human	-
Chinese hamster	-
African green monkey	-

Marker Analysis

Marker Name	1		
	Sample Results	C57BL/6NCr	FVB/NCrl
MCA-4-2	19.3, 20.3	20.3	19.3
MCA-5-5	14, 18	17	14
MCA-6-4	14.3, 17	16	14.3
MCA-6-7	12, 15	15	12
MCA-9-2	15, 18	18	15
MCA-12-1	17, 20	17	20
MCA-15-3	20.3, 22.3	22.3	20.3
MCA-18-3	16, 17	16	17
MCA-X-1	27	27	26

Sample ID	Remarks
1	<p>The sample was confirmed to be of mouse origin and no mammalian interspecies contamination was detected. A genetic profile was generated for the sample by using a panel of STR markers for genotyping.</p> <p>A genetic profile has not previously been established for the 661W cell line, but the genetic profile of the sample is consistent with a mixed FVB and C57BL/6 mouse strain of origin. This strain origin matches to strains listed in the original publications for this cell line (Journal of Biological Chemistry, 1999, 274(6):3734-3743 and Journal of Cell Biology, 1992, 119(6):1681-1687). Please note that additional testing confirming that the cell line carries the HIT1 transgene described in the 1992 manuscript along with the consistent strain profile generated on this report would provide confirmation of the cell line origin. PCR primers for the transgene are listed in the 1992 publication.</p>