

Certificate of Analysis

Submitted by:

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Specimen Description

Species: Rat

Description:

Number of Specimens/Animals: XX

ID	Client ID	Cell Line	Species	ATCC Cat. No.
1	A	1	Rat	XXX-XXX
2	B	2	Rat	YY-YY

Services/Tests Performed

Cat.No.: C312

Service: Rat Cell Line Authentication Service

PCR evaluation for: Rat STR profile using 31 species specific STR markers, and interspecies contamination test for human, mouse, rat, African green monkey, and Chinese hamster

General Comments:

Rat Cell Line Authentication Service

Rat STR Profile and Inter-species Contamination Test

Summary: Rat Cell Line Authentication Service results are provided in the data results section for each sample. Please see report for details.

Species-specific PCR Evaluation

Species	Sample 1	Sample 2
Mouse	-	-
Rat	+	+
Human	-	-
Chinese Hamster	-	-
African Green Monkey	-	-

Marker Analysis

Marker Name*	1		2	
	Sample Results	XXX-XXX (ATCC#XXX-XXX)	Sample Results	YY-YY (ATCC# YY-YY)
Marker 73	Data 2	Data 2	Data 2	Data 1
Marker 8	Data 2	Data 2	Data 2	Data 1
Marker 2	Data 2	Data 2	Data 2	Data 1
Marker 4	Data 2	Data 2	Data 2	Data 1
Marker 3	Data 2	Data 2	Data 1	Data 1
Marker 26	Data 2	Data 2	Data 1	Data 2
Marker 19	Data 2	Data 2	Data 1	Data 2
Marker 81	Data 2	Data 2	Data 1	Data 2
Marker 34	Data 1	Data 1	Data 1	Data 2
Marker 30	Data 1	Data 1	Data 1	Data 1
Marker 24	Data 1	Data 1	Data 1	Data 1
Marker 59	Data 1	Data 1	Data 1	Data 1
Marker 62	Data 2	Data 2	Data 1	Data 1
Marker 1	Data 2	Data 2	Data 1	Data 1
Marker 55	Data 2	Data 2	Data 2	Data 2
Marker 36	Data 2	Data 2	Data 2	Data 2
Marker 67	Data 2	Data 2	Data 2	Data 2
Marker 13	Data 2	Data 2	Data 2	Data 2
Marker 35	Data 2	Data 2	Data 2	Data 2
Marker 42	Data 2	Data 2	Data 2	Data 2
Marker 70	Data 2	Data 2	Data 2	Data 2
Marker 61	Data 2	Data 2	Data 2	Data 2
Marker 79	Data 2	Data 2	Data 2	Data 2
Marker 90	Data 2	Data 2	Data 1	Data 1
Marker 69	Data 2	Data 2	Data 1	Data 1
Marker 78	Data 1	Data 1	Data 1	Data 1
Marker 15	Data 1	Data 1	Data 1	Data 1
Marker 16	Data 1	Data 1	Data 1	Data 2
Marker 75	Data 1	Data 1	Data 1	Data 2
Marker 96	Data 1	Data 1	Data 1	Data 2
Marker 91	Data 1	Data 1	Data 1	Data 2
Identity Match	100%		<80%, see comments	

*Markers are from the ASN-0003, Species-Level Identification of Animal Cells through Mitochondrial Cytochrome c Oxidase Subunit 1 (CO1) DNA Barcodes.

Comments

Sample ID	Comments
2	The genetic profile is not consistent with the genetic profile established for the YY-YY cell line (ATCC#YY-YY). The sample profile is identical to the genetic profile reported for the ZZ-ZZ cell line (ATCC# ZZ-ZZ). This sample appears to be misidentified.