

## Certificate of Analysis

**Submitted by:**

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### Specimen Description

**Species:** Canine

**Description:**

**Number of Specimens/Animals:** XX

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

### Services/Tests Performed

**Cat.No.:** C313

**Service:** Canine Cell Line Authentication Service

**PCR evaluation for:** Canine STR profile using 14 species specific STR markers, and interspecies contamination test for human, mouse, rat, African green monkey, and Chinese hamster

**General Comments:**

### Canine Cell Line Authentication Service

**Canine STR Profile and Inter-species Contamination Test**

**Summary:** Canine 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	-	-
Canine	+	+

## Marker Analysis

Marker Name	1		2	
	Sample Results	XXX-XXX (ATCC#XXX-XXX)	Sample Results	YY-YY (ATCC#YY-YY)
Marker 1	Data1	Data1	Data2	Data1
Marker 17	Data1	Data1	Data2	Data1
Marker 2	Data1	Data1	Data2	Data1
Marker 3	Data1	Data1	Data2	Data1
Marker 16	Data1	Data1	Data1	Data1
Marker 4	Data1	Data1	Data1	Data1
Marker 5	Data1	Data1	Data1	Data2
Marker 6	Data2	Data2	Data1	Data2
Marker 13	Data2	Data2	Data1	Data2
Marker 7	Data2	Data2	Data2	Data2
Marker 14	Data2	Data2	Data2	Data1
Marker 19	Data2	Data2	Data2	Data1
Marker 8	Data2	Data2	Data2	Data2
Marker 15	Data2	Data2	Data2	Data2
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.

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## 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.