

FINAL REPORT OF LABORATORY EXAMINATION

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IDEXX BioAnalytics Case # 26567-2021

Received Date: 8/31/2021

Completed: 9/3/2021

Submitted By

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Specimen Description

Species: human

Description: Cells

Number of Specimens/Animals: 10

ID	Client ID	Cell Line	Species
1	MPNST R-1	RHT172	human
2	UH2102-13	UH2101-13	human
3	Pa03C	Pa03C	human
4	PDAC PDX	UH2101-01	human
5	R-HT 172	RHT172	human
6	JH2-002	JH2-002	human
7	JH2-103	JH2-103	human
8	JH2-07903	JH2-079-3	human
9	Panc14C	Panc14C	human
10	Pa02C mOU	Pa02C	human

**Services/Tests Performed:** CellCheck 9 Plus - human (Cell Check 9 with Mycoplasma) (1-10)

**PCR evaluation for:** *Mycoplasma* sp.

**Genetic evaluation for:** Human 9-Marker STR Profile, Interspecies Contamination Test

**Summary:** Cell Check results are provided in the data results section for each sample. For human samples, an identity matching score above 80% indicates the sample is consistent with the cell line of origin. For human samples with less than an 80% matching score, please see individual comments for these samples in the detail section.

All other test results were negative. Please see the report for details.

## PCR EVALUATION

cells	1	2	3	4	5	6	7	8	9	10
<i>Mycoplasma</i> sp.	-	-	-	-	-	-	-	-	-	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed sus = suspect wps = weak positive XX = Testing in progress

## CELL CHECK

### Species-specific PCR Evaluation

Species	1	2	3	4	5	6	7	8	9	10
mouse	+	+	-	+	+	-	-	-	-	+
rat	-	-	-	-	-	-	-	-	-	-
human	+	+	+	+	+	+	+	+	+	+
Chinese hamster	-	-	-	-	-	-	-	-	-	-
African green monkey	-	-	-	-	-	-	-	-	-	-

### Marker Analysis

Marker Name	1		2		3		4		5		6	
	Sample Results	RHT172	Sample Results	UH2101-13	Sample Results	Pa03C	Sample Results	UH2101-03	Sample Results	RHT172 (IBA# 26567-21-01)	Sample Results	JH2-002
AMEL	X	NA	X, Y	NA	X, Y	NA	X, Y	NA	X	X	X	NA
CSF1PO	11	NA	10	NA	12	NA	12	NA	11	11	11	NA
D13S317	12	NA	9, 13	NA	11, 13	NA	11, 12, 13	NA	12	12	10	NA
D16S539	13	NA	12, 13	NA	13	NA	11, 13	NA	13	13	11, 12	NA
D5S818	11	NA	12	NA	12	NA	11, 12	NA	11	11	15	NA
D7S820	9, 11	NA	7, 11	NA	8	NA	9, 14	NA	9, 11	9, 11	8	NA
TH01	9	NA	6, 9.3	NA	6, 9.3	NA	6, 9.3	NA	9	9	8	NA
TPOX	11	NA	8, 11	NA	8, 9	NA	11, 12	NA	11	11	8	NA
vWA	16, 17	NA	17, 18	NA	18	NA	17, 18	NA	16, 17	16, 17	15	NA
Identity Match	N/A, see comments		N/A, see comments		N/A, see comments		N/A, see comments		100%		N/A, see comments	

Marker Name	7		8		9		10	
	Sample Results	JH2-103	Sample Results	JH2-079-3	Sample Results	Panc14C	Sample Results	Pa02C (IBA# 26567-21-03)
AMEL	X, Y	NA	X	NA	X	NA	X, Y	X, Y
CSF1PO	11, 12	NA	10, 12	NA	12	NA	12	12
D13S317	12	NA	13	NA	11	NA	11, 13	11, 13
D16S539	11, 12	NA	9, 12	NA	11, 12	NA	13	13
D5S818	10, 12	NA	11, 12	NA	11	NA	12	12
D7S820	8, 12	NA	8, 9	NA	10, 11	NA	8	8

Marker Name	7		8		9		10	
	Sample Results	JH2-103	Sample Results	JH2-079-3	Sample Results	Panc14C	Sample Results	Pa02C (IBA# 26567-21-03)
TH01	8	NA	9	NA	6	NA	6, 9.3	6, 9.3
TPOX	6, 9	NA	9	NA	8	NA	8, 9	8, 9
vWA	13, 18	NA	15, 16	NA	17, 18	NA	18	18
Identity Match	N/A, see comments		N/A, see comments		N/A, see comments		100%	

Sample ID	Remarks
1	<p>NA in the table indicates profile data is not available for comparison purposes for this sample. The genetic profile for the sample was compared to the cell line genetic profiles available in the DSMZ STR database and did not match any other reported profiles in the DSMZ database. Without a sample representing the original source material the sample was derived from, it is not possible to make any interpretations in terms of authentication of the cell line other than it has a unique profile not found in the current public databases. The genetic profile established for this sample should be published in subsequent manuscripts and can be used for future comparisons for this cell line.</p> <p>The genetic profile for the sample was identical to the profile reported for this cell line, but this sample also tested positive for mouse origin DNA indicating contamination with mouse origin material. If the sample was propagated using mouse origin materials (feeder cell line, mouse serum, etc.), then this material is the source of the mouse origin DNA. However, if no mouse origin materials were used in the propagation of this sample, then the positive test result may be indicative of contamination with a mouse origin cell line.</p>
2	<p>NA in the table indicates profile data is not available for comparison purposes for this sample. The genetic profile for the sample was compared to the cell line genetic profiles available in the DSMZ STR database and did not match any other reported profiles in the DSMZ database. Without a sample representing the original source material the sample was derived from, it is not possible to make any interpretations in terms of authentication of the cell line other than it has a unique profile not found in the current public databases. The genetic profile established for this sample should be published in subsequent manuscripts and can be used for future comparisons for this cell line.</p> <p>The genetic profile for the sample was identical to the profile reported for this cell line, but this sample also tested positive for mouse origin DNA indicating contamination with mouse origin material. If the sample was propagated using mouse origin materials (feeder cell line, mouse serum, etc.), then this material is the source of the mouse origin DNA. However, if no mouse origin materials were used in the propagation of this sample, then the positive test result may be indicative of contamination with a mouse origin cell line.</p>
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