



**HARRIS COUNTY  
INSTITUTE OF FORENSIC SCIENCES**

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Luis A. Sanchez, M.D.  
Executive Director &  
Chief Medical Examiner

**LABORATORY REPORT  
SUPPLEMENTAL**

**LABORATORY NUMBER:** IFS12-13187A1S1

**DECEDENT:** Jaime (Jamie) Melgar (ML12-3925)

**SUSPECT:** Sandra Melgar

OFFENSE REPORT NUMBER	COUNTY	OFFENSE	CROSS REFERENCE
12176269	Harris	Homicide/Murder/Death Investigation	ML12-3925 IFS12-13187A1
OFFENSE DATE	REPORT DATE	ANALYST	CASE OFFICER
12/23/2012	12/15/2016	C. Smejkal <i>CS</i>	M. Carpenter/ S. Carrizal/ F. Garcia

**AGENCY:** Harris County Sheriff's Office, 1301 Franklin, Houston, TX 77002

**ITEM(S) RE-SUBMITTED:**

Item #	Agency Item #	Item	Submitting Agency	Submitted By	Submission Date
101.	1.	Pubic hair combing	Harris County Sheriff's Office	M. Gustafson	10/13/2016

**ITEM(S) COMPARED TO:**

Case #	Item #	Item	Report Date
IFS12-13187A1	K1.	Known saliva of Sandra Melgar	05/24/2016
	K2.	Known saliva of Gerson Campos	
	K3.	Known saliva of Marissa Melgar-Muca	
	K4.	Known saliva of Monica Melgar	
	K5.	Known saliva of Maria Melgar	
	K6.	Known saliva of Herman Melgar	
	K7.	Known blood of Jaime Melgar (ML12-3925)	

LABORATORY NUMBER: IFS12-13187A1S1

**SUMMARY OF RESULTS AND INTERPRETATIONS:**

Serology screening was performed on item 101. Results indicate the following:

Possible trace evidence was observed on item 101.

Possible hairs from item 101 (101A, 101B, 101C, 101D, 101E, 101F, 101G, 101H, 101I, 101J, 101K, 101L, 101M, 101N, 101O, 101P, 101Q, 101R, 101S, 101T, 101U, 101V, 101W, 101X, 101Y, 101Z, 101AA, 101BB, 101CC, 101DD, 101EE, 101FF, 101GG, 101HH, 101II, 101JJ, 101KK, 101LL, 101MM, 101NN, 101OO, 101PP, and 101QQ) were examined to determine suitability for DNA testing. Results indicate the following:

Items 101A, 101B, 101C, 101D, 101E, 101F, 101G, 101H, 101I, 101J, 101K, 101L, 101M, 101N, 101O, 101P, 101Q, 101R, 101S, 101T, 101U, 101V, 101W, 101X, 101Y, 101Z, 101AA, 101BB, 101CC, 101DD, 101EE, 101FF, 101GG, 101HH, 101II, 101JJ, 101KK, 101LL, 101MM, 101NN, 101OO, 101PP, and 101QQ were microscopically examined and have a root. Nuclear DNA testing has been attempted.

Identifiler Plus STR DNA typing was performed on samplings from items 101A (101A-1), 101B (101B-1), 101C (101C-1), 101D (101D-1), 101E (101E-1), 101F (101F-1), 101G (101G-1), 101H (101H-1), 101I (101I-1), 101J (101J-1), 101K (101K-1), 101L (101L-1), 101M (101M-1), 101N (101N-1), 101O (101O-1), 101P (101P-1), 101Q (101Q-1), 101R (101R-1), 101S (101S-1), 101T (101T-1), 101U (101U-1), 101V (101V-1), 101W (101W-1), 101X (101X-1), 101Y (101Y-1), 101Z (101Z-1), 101AA (101AA-1), 101BB (101BB-1), 101CC (101CC-1), 101DD (101DD-1), 101EE (101EE-1), 101FF (101FF-1), 101GG (101GG-1), 101HH (101HH-1), 101II (101II-1), 101JJ (101JJ-1), 101KK (101KK-1), 101LL (101LL-1), 101MM (101MM-1), 101NN (101NN-1), 101OO (101OO-1), 101PP (101PP-1), and 101QQ (101QQ-1) and results compared to items K1, K2, K3, K4, K5, K6, and K7 from a prior analysis (IFS12-13187A1). Results and comparisons indicate the following:

The DNA results obtained from items 101A-1, 101D-1, 101E-1, 101F-1, 101G-1, 101H-1, 101I-1, 101J-1, 101M-1, 101N-1, 101O-1, 101P-1, 101Q-1, 101R-1, 101S-1, 101V-1, 101W-1, 101X-1, 101Y-1, 101Z-1, 101AA-1, 101DD-1, 101EE-1, 101GG-1, 101LL-1, 101NN-1, 101OO-1, 101PP-1, and 101QQ-1 are consistent with a single source DNA profile of a male individual. Jaime Melgar (K7; ML12-3925) cannot be excluded as a possible source of the DNA on these items. Sandra Melgar (K1), Gerson Campos (K2), Marissa Melgar-Muca (K3), Monica Melgar (K4), Maria Melgar (K5), and Herman Melgar (K6) are excluded as the source of the DNA on these items. No DNA inconsistent with the DNA profile of Jaime Melgar (K7; ML12-3925) was detected on these intimate items.

The partial DNA results obtained from items 101K-1, 101U-1, and 101II-1 are consistent with a single source DNA profile of a male individual. Jaime Melgar (K7; ML12-3925) cannot be excluded as a possible source of the DNA on these items. Sandra Melgar (K1), Gerson Campos (K2), Marissa Melgar-Muca (K3), Monica Melgar (K4), Maria Melgar (K5), and Herman Melgar (K6) are excluded as the source of the DNA on these items. No DNA inconsistent with the DNA profile of Jaime Melgar (K7; ML12-3925) was detected on these intimate items.

Insufficient information was obtained for interpretation of items 101B-1, 101C-1, 101L-1, 101JJ-1, and 101KK-1.

No interpretable results were obtained from items 101T-1, 101BB-1, 101FF-1, or 101HH-1.

No DNA results were obtained from items 101CC-1 or 101MM-1.

LABORATORY NUMBER: IFS12-13187A1S1

DISPOSITION

K7 is being retained by the laboratory. Previously submitted evidence items have been returned. All other evidence items are being returned and may be stored at room temperature.

The DNA profile obtained from item K1 was previously entered into the CODIS (Combined DNA Index System) database.

Please submit a reference sample from complainant/elimination for comparison.

  
Christy Smejkal, M.S., F-ABC  
DNA Analyst