

AV6

**Exhibit DMS-21D Swab collected from holster**

The mixed DNA profile obtained from Exhibit DMS-21D demonstrated the presence of at least three individuals. A complete DNA profile for the major contributor could be determined.

This major DNA profile is consistent with originating from a male individual and matches the DNA profile from George Michael Zimmerman (JR-2).

The frequency of occurrence of the major DNA profile obtained from Exhibit DMS-21D for unrelated individuals in the following populations is approximately:

- 1 in 11 quadrillion Caucasians
- 1 in 1.5 quintillion African Americans (Blacks)
- 1 in 57 quadrillion Southeastern Hispanics

A DNA profile for the minor contributor(s) could not be determined.

No determination can be made regarding the possible contribution of Trayvon Benjamin Martin (ME-3) to the mixed DNA profile obtained from Exhibit DMS-21D.

**Exhibit ME-2 Fingernail scrapings represented as being from Trayvon Benjamin Martin**

Exhibit ME-2A gave chemical indications for the presence of blood.

STR DNA analysis was performed on samples from Exhibits ME-2A and ME-2B utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

**Exhibit ME-2A Right hand**

No DNA results foreign to Trayvon Benjamin Martin (ME-3) were found on Exhibit ME-2A.

**Exhibit ME-2B Left hand**

No DNA results were obtained from Exhibit ME-2B.

**Exhibit ME-8 Shirt represented as being from Trayvon Benjamin Martin**

Exhibit ME-8 gave chemical indications for the presence of blood (stains A, B, D and E).

Exhibit ME-8 failed to give chemical indications for the presence of blood (stain C and general rubbings from cuff/lower sleeve regions on both arms).

Swabbings were collected from the cuff/lower sleeve regions on both arms of Exhibit ME-8 to determine the presence of any foreign DNA.

STR DNA analysis was performed on samples from Exhibit ME-8 (stains A, B, D, E and swabbings from cuffs/lower sleeves) utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

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**Exhibit ME-8 stain A**

A complete DNA profile was obtained from Exhibit ME-8 stain A.

This DNA profile is consistent with originating from a male individual and matches the DNA profile from George Michael Zimmerman (JR-2).

The frequency of occurrence of the DNA profile obtained from Exhibit ME-8 stain A for unrelated individuals in the following populations is approximately:

- 1 in 11 quadrillion Caucasians
- 1 in 1.5 quintillion African Americans (Blacks)
- 1 in 57 quadrillion Southeastern Hispanics

There is the possibility of an additional contributor to this DNA profile.

**Exhibit ME-8 stain B**

A complete DNA profile was obtained from Exhibit ME-8 stain B.

This DNA profile is consistent with originating from a male individual and matches the DNA profile from Trayvon Benjamin Martin (ME-3).

The frequency of occurrence of the DNA profile obtained from Exhibit ME-8 stain B for unrelated individuals in the following populations is approximately:

- 1 in 3.9 quintillion Caucasians
- 1 in 3.0 quadrillion African Americans (Blacks)
- 1 in 290 quadrillion Southeastern Hispanics

**Exhibit ME-8 stain D**

The mixed DNA profile obtained from Exhibit ME-8 stain D demonstrated the presence of at least two individuals. Results are consistent with the presence of at least one male contributor. DNA profiles for the major and minor contributors could not be determined.

George Michael Zimmerman (JR-2) and Trayvon Benjamin Martin (ME-3) are included as possible contributors to the mixed DNA profile obtained from Exhibit ME-8 stain D.

The combined frequency of occurrence of the mixed DNA profile obtained from Exhibit ME-8 stain D for unrelated individuals in the following populations is approximately:

- 1 in 4.0 million Caucasians
- 1 in 2.1 million African Americans (Blacks)
- 1 in 6.4 million Southeastern Hispanics

**Exhibit ME-8 stain E**

A complete DNA profile was obtained from Exhibit ME-8 stain E.

This profile is consistent with originating from a male individual and matches the DNA profile from Trayvon Benjamin Martin (ME-3).

The frequency of occurrence of the DNA profile obtained from Exhibit ME-8 stain E for unrelated individuals in the following populations is approximately:

- 1 in 3.9 quintillion Caucasians
- 1 in 3.0 quadrillion African Americans (Blacks)
- 1 in 290 quadrillion Southeastern Hispanics

**Exhibit ME-8 right cuff/lower sleeve**

No DNA results foreign to Trayvon Martin (ME-3) were obtained from Exhibit ME-8 right cuff/lower sleeve.

**Exhibit ME-8 left cuff/lower sleeve**

The mixed DNA profile obtained from Exhibit ME-8 left cuff/lower sleeve demonstrated the presence of at least two individuals. Assuming Trayvon Benjamin Martin (ME-3) is a contributor to the mixture, foreign DNA results were obtained. Due to the limited nature of these results, this data is insufficient for inclusion purposes.

No determination can be made regarding the possible contribution of George Michael Zimmerman (JR-2) to the mixed DNA profile obtained from Exhibit ME-8 left cuff/lower sleeve.

**Exhibit ME-12 Hoodie jacket represented as being from Trayvon Benjamin Martin**

Exhibit ME-12 gave chemical indications for the presence of blood (stains A and C).

Exhibit ME-12 failed to give chemical indications for the presence of blood (stain B and general rubbings from cuff/lower sleeve regions on both arms).

Swabbings were collected from the cuff/lower sleeve regions on both arms of Exhibit ME-12 to determine the presence of any foreign DNA.

STR DNA analysis was performed on samples from Exhibit ME-12 (stains A, C and swabbings from cuff/lower sleeves) utilizing the AmpF/STR Profiler Plus and AmpF/STR COfiler PCR Amplification Kits.

**Exhibit ME-12 stain A**

A partial DNA profile was obtained from Exhibit ME-12 stain A.

This partial DNA profile is consistent with originating from a male individual and matches the DNA profile from Trayvon Benjamin Martin (ME-3).

For 11 loci, the frequency of occurrence of the partial DNA profile obtained from Exhibit ME-12 stain A for unrelated individuals in the following populations is approximately:

- 1 in 3.7 quadrillion Caucasians
- 1 in 14 trillion African Americans (Blacks)
- 1 in 340 trillion Southeastern Hispanics

**Exhibit ME-12 stain C**

No DNA results were obtained from Exhibit ME-12 stain C.

**Exhibit ME-12 right cuff/lower sleeve**

No DNA results foreign to Trayvon Benjamin Martin (ME-3) were obtained from Exhibit ME-12 right cuff/lower sleeve.

**Exhibit ME-12 left cuff/lower sleeve**

No DNA results foreign to Trayvon Benjamin Martin (ME-3) were obtained from Exhibit ME-12 left cuff/lower sleeve.

**REMARKS:**

Exhibits DMS-21, JR-2, ME-2 and ME-3 are being retained.

Exhibits ME-8 and ME-12 were transferred to the Firearms Section (of the Orlando Regional Operations Center) for further analysis and are the subject of a separate report.

The DNA profile developed from Exhibit JR-2 has been entered into CODIS.

The above reported single source frequencies were calculated following the recommendations of the National Research Council (NRC II) utilizing the FBI database (JFS 44:1277-1286, 46:453-489). These numbers are an estimation for which a deviation of approximately +/- 10-fold may exist. The mixture frequency calculations also utilized the FBI database. The results of the amelogenin locus were not used in the statistical calculations.

Abbreviations that may appear in this report are: CODIS *Combined DNA Index System*; DNA *deoxyribonucleic acid*; PCR *Polymerase Chain Reaction*; STR *short tandem repeat*; FBI *Federal Bureau of Investigation*; and JFS *Journal of Forensic Sciences*.

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