

Cuyahoga County Regional Forensic Science Laboratory  
11001 Cedar Avenue, Cleveland, OH 44106



DNA LABORATORY EXAMINATION REPORT

Report Date:	11/23/2022	Victim's Name:	Demond Eskridge
CCRFSL Case:	2022-004919	Agency Case:	2022-155158
Contact Person:	Detective Charles Schultz	Submitting Agency:	CPD Homicide Unit
CCMEO Case:	IN2022-01026	Address:	1300 Ontario Street
Pathologist:	Dr. Thomas Gilson		Cleveland, OH 44113

Items 2, 3, 4, and 5 were transferred by Curtiss Jones of the Trace Evidence Unit on 6/3/2022.

Items 7 and 8 were received from Dr. Thomas Gilson of the Cuyahoga County Medical Examiners Office on 6/3/2022.

Items 24, 26, 27, 28, and 31 were submitted by Detective Cindy Pivarnik of the CPD Homicide Unit on 6/21/2022.

<u>Item</u>	<u>Description</u>
2	Swab from the right hand fingernails of the victim
3	Swab from the left hand fingernails of the victim
4	Swabs from the knuckles and palm of the right hand of the victim
5	Swabs from the knuckles and palm of the left hand of the victim
7	Bloodstain card from Demond Eskridge
8	Buccal swabs from Demond Eskridge
24	<i>SWAB DNA GLOCK</i>
26	<i>SWAB FROM CASINGS</i>
27	<i>SWAB SUSP BLOOD</i>
28	<i>SWAB SUSP BLOOD</i>
31	<i>SWAB FROM GLOCK</i>

If the evidence description is displayed in italics and/or quotation marks, it has been provided by the submitting agency.

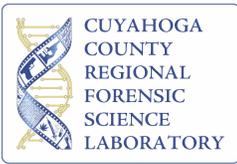
**DNA STR (Short Tandem Repeat) analysis:**

DNA obtained from items 2, 3, 4, 5, 7, 27, 28, and 31 was characterized through the Polymerase Chain Reaction (PCR) at the genetic loci Amelogenin, D3S1358, D1S1656, D2S441, D10S1248, D13S317, PentaE, D16S539, D18S51, D2S1338, CSF1PO, PentaD, TH01, vWA, D21S11, D7S820, D5S818, TPOX, DYS391, D8S1179, D12S391, D19S433, FGA, and D22S1045 using the Promega PowerPlex Fusion amplification system.

**Results and Conclusions:**

The presumptive test indicated the presence of blood in items 2, 3, 4, 5, 27, and 28. No confirmatory testing was performed.

The DNA profiles obtained from items 2, 3, 4, and 5 are mixtures. Demond Eskridge (item 7) cannot be excluded as a



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contributor to these mixtures.

The DNA profile obtained from item 27 is a single source of male origin. A likelihood ratio was calculated assuming item 27 contained DNA from one unknown contributor.

A match was identified between item 27 and Demond Eskridge. This match is:

2.98 nonillion times more probable than a coincidental match to an unrelated African American person, 24.8 decillion times more probable than a coincidental match to an unrelated Caucasian person, and 3.62 decillion times more probable than a coincidental match to an unrelated Hispanic person.

The DNA profile obtained from items 28 is a mixture. A likelihood ratio was calculated assuming item 28 contained DNA from two unknown contributors.

A match was identified between item 28 and Demond Eskridge. This match is:

2.98 nonillion times more probable than a coincidental match to an unrelated African American person, 24.8 decillion times more probable than a coincidental match to an unrelated Caucasian person, and 3.62 decillion times more probable than a coincidental match to an unrelated Hispanic person.

The DNA profile obtained from items 31 is a mixture. A likelihood ratio was calculated assuming item 31 contained DNA from three unknown contributors.

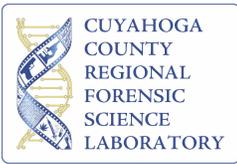
A match was identified between item 31 and Demond Eskridge. This match is:

4.33 octillion times more probable than a coincidental match to an unrelated African American person, 8.87 nonillion times more probable than a coincidental match to an unrelated Caucasian person, and 1.85 nonillion times more probable than a coincidental match to an unrelated Hispanic person.

An insufficient quantity of human DNA was detected in item 24. No further testing was performed at this time.

A TrueAllele deduced DNA profile obtained from item 31 will be entered into the Combined DNA Index System (CODIS) in accordance with state and national regulations, where regular searches will be performed. Notification will be issued if there is a hit in the database or if the profile is removed from CODIS at any time in the future.

Items 2, 3, 4, 5, 7, and 8 have been retained at the appropriate temperature in the laboratory.



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Analyst:   
Jeffrey Oblock  
Forensic Scientist

Technical Reviewer:   
Nasir Butt Ph.D.  
DNA Technical Manager and Supervisor

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**Comments**

The likelihood ratios were calculated using TrueAllele technology.

The genetic locus DYS391 was not used in statistical calculations.

The NIST U.S. autosomal STR database was used for statistical calculations.

Chemical tests were used for body fluid identification indicated in this report.

Items not listed under the 'Results and Conclusion' section above were not tested.

Results and conclusions in this report include opinions and interpretations.

Please submit a buccal swab standard(s) for comparison purposes.

The remaining evidence and any sub-items created for subsequent testing, have been stored at the appropriate temperature in the laboratory and are ready to be picked up by the submitting agency.

All remaining DNA extracts (if any) will be maintained at the appropriate temperature in the laboratory.

All laboratory activities related to this case were completed between the date the evidence was received, as noted in this report, and the report's issue date. Specific activity dates are maintained in the case file for the case.

Results in this report relate only to the items tested and apply to the sample(s) as received.



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