

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



**DNA LABORATORY EXAMINATION REPORT**

Report Date:	01/09/2023	Victim's Name:	Maalik Roquemore
CCRFSL Case:	2022-007891	Agency Case:	2022-259310
Contact Person:	Detective Richard Tusing	Submitting Agency:	CPD Homicide Unit
CCMEO Case:	IN2022-01648	Address:	1300 Ontario Street Cleveland, OH 44113
Pathologist:	Dr. Thomas Gilson		

Items 2, 3, 4, and 5 were transferred by Brooke E. Potts of the Trace Evidence Unit on 9/6/2022.  
 Item 11 was received from Dr. Thomas Gilson of the Cuyahoga County Medical Examiners Office on 9/7/2022.  
 Items 27, 28, and 31 were submitted by Detective Cindy Pivarnik of the CPD Homicide Unit on 9/15/2022.

<u>Item</u>	<u>Sub-Item</u>	<u>Description</u>
2		Swab from the right hand fingernails of Maalik Roquemore
3		Swab from the left hand fingernails of Maalik Roquemore
4		Swabs from the knuckles and palm of the right hand of Maalik Roquemore
5		Swabs from the knuckles and palm of the left hand of Maalik Roquemore
11		Buccal swabs from Maalik Roquemore
27		<i>Swabs of suspected blood from Taser</i>
28		<i>Taser prong</i>
	28.1	Swab from staining on tip of taser prong
31		<i>Swabs from Taser</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:**

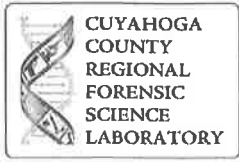
DNA obtained from items 2, 3, 5, 11, 27, 28.1, and 31 was characterized through the Polymerase Chain Reaction (PCR) at the genetic loci Amelogenin, D3S1358, D1S1656, D2S441, D10S1248, D13S317, PentaE, D16S539, D18S51, D2S1338, CSF1PO, PentaD, TH01, vWA, D21S11, D7S820, D5S818, TPOX, DYS391, D8S1179, 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 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.

No statistical support for a match was identified between item 27 and Maalik Roquemore (item 11).



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The DNA profile obtained from item 28.1 is a single source of male origin. A likelihood ratio was calculated assuming item 28.1 contained DNA from one unknown contributor.

A match was identified between item 28.1 and Maalik Roquemore. This match is:  
 19.2 nonillion times more probable than a coincidental match to an unrelated African American person, 315 nonillion times more probable than a coincidental match to an unrelated Caucasian person, and 86.1 nonillion times more probable than a coincidental match to an unrelated Hispanic person.

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

No statistical support for a match was identified between item 31 and Maalik Roquemore.

No DNA profile foreign to Maalik Roquemore was obtained from items 2, 3, and 5.

An insufficient quantity of human DNA was detected in item 4. No further testing was performed at this time.

Items 2, 3, 4, 5, and 11 have been retained at the appropriate temperature in the laboratory.

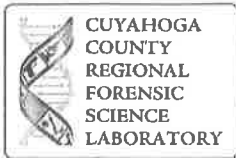
Analyst: Marissa L Esterline  
 Marissa Esterline M.S.  
 Forensic Scientist

Technical Reviewer: Lisa E. Moore  
 Lisa Moore M.S.  
 Forensic Scientist

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**Comments**

The likelihood ratios were calculated using TrueAllele technology.  
 The genetic locus DYS391 was not used in statistical calculations.



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

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

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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