

LDAS Specimen Report
Jul 28, 2002 11:20:39 AM

Lab ID: VA080015Y

*MW02-3662
neh*

Specimen Number: MW02-3662CAP139

Submitted to LDIS:
Submitted to SDIS:

Specimen Category: FORENSIC, UNKNOWN Sex: NOT SPECIFIED Status: OK
Population Group: UNSPECIFIED Population Description:
Tissue Type: UNSPECIFIED
Originating Agency: [N/A] Agency Spec Number:
Collected By: Collected Date:
Location: State: VA Country: US

12/01/91

Laboratory

Received By: [N/A] Received Date: Received Time:
Assigned To: NEH

LDAS

Added By: NEH Added Date: 7/28/2002 Added Time: 11:20

Comments:

Sample Number: 0 Technician: [N/A]
Sample Date: Sample Time:
Tissue Form: STAIN Sample From: 0 Sample Location:
Added By: NEH Added Date: 7/26/2002 Added Time: 13:06
Comments:

PCR Locus: FGA

LDIS SDIS

Reading Number: 1 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 20
Allele 2 Value = 21

Reading Number: 2 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 20
Allele 2 Value = 21

PCR Locus: TPOX

LDIS SDIS

Reading Number: 1 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 8
Allele 2 Value = 11

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Specimen Number: MW02-3662CAP139 (continued)

PCR Locus: TPOX

LDIS SDIS

Reading Number: 2
Allele 1 Value = 8
Allele 2 Value = 11

Read By: NEH Reading Date: 7/26/2002

PCR Locus: D8S1179

LDIS SDIS

Reading Number: 1
Allele 1 Value = 13
Allele 2 Value = 14

Read By: NEH Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 13
Allele 2 Value = 14

Read By: NEH Reading Date: 7/26/2002

PCR Locus: VWA

LDIS SDIS

Reading Number: 1
Allele 1 Value = 16
Allele 2 Value = 17

Read By: NEH Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 16
Allele 2 Value = 17

Read By: NEH Reading Date: 7/26/2002

PCR Locus: PENTA E

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 12

Read By: NEH Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 12

Read By: NEH Reading Date: 7/26/2002

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Specimen Number: MW02-3662CAP139 (continued)

PCR Locus: D18S51

LDIS SDIS

Reading Number: 1
Allele 1 Value = 16
Allele 2 Value = 17

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 16
Allele 2 Value = 17

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D21S11

LDIS SDIS

Reading Number: 1
Allele 1 Value = 30
Allele 2 Value = 30

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 30
Allele 2 Value = 30

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: TH01

LDIS SDIS

Reading Number: 1
Allele 1 Value = 6
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 6
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D3S1358

LDIS SDIS

Reading Number: 1
Allele 1 Value = 15
Allele 2 Value = 16

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 15

Read By: NEH

Reading Date: 7/26/2002

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Specimen Number: MW02-3662CAP139 (continued)

PCR Locus: D3S1358

LDIS SDIS

Allele 2 Value = 16

7/26/2002

PCR Locus: PENTA D

LDIS SDIS

Reading Number: 1
Allele 1 Value = 9
Allele 2 Value = 13

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 9
Allele 2 Value = 13

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: CSF1PO

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D7S820

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

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Lab ID: VA080015Y

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Specimen Number: MW02-3662CAP139 (continued)

PCR Locus: D13S317

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D5S818

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

REP

LDIS SPECIMEN REPORT

Aug 27, 2002 9:51:40 AM

LOCAL CASEWORK INDEX

SPECIMEN INFORMATION

Local Specimen Number: MW02-3662CAP139

Universal Specimen Number: 1223

| Specimen Laboratory | Received Date | Assign To | Contract Laboratory | Specimen Category | Tissue Type | Population Group | Population Description | Entry Cllctd | State Cllctd | Dnr Sex | LDIS Entered By/Date | SDIS Entered By/Date |
|---------------------|---------------|-----------|---------------------|-------------------|-------------|------------------|------------------------|--------------|--------------|---------|----------------------|----------------------|
| VA080015 | | NEH | VA080015 | FORENSIC, UNKNOWN | UNSPECIFIED | UNSPECIFIED | | US | VA | N | NEH 08/27/2002 | NEH 08/27/2002 |

SIZING INFORMATION

| Locus | Probe | Technology | Gel No | Assign To | Tissue Form | Ladder Enzyme | Autorad No | Entrd By | Entrd Date | Submit By | Submit Date | Lane No | Allele No | Mol Wt or VALUE |
|---------|-------|------------|--------|-----------|-------------|---------------|------------|----------|------------|-----------|-------------|---------|-----------|-----------------|
| FGA | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 20 |
| | | | | | | | | | | | | | 2 | 21 |
| TPOX | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 8 |
| | | | | | | | | | | | | | 2 | 11 |
| D8S1179 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 13 |
| | | | | | | | | | | | | | 2 | 14 |
| VWA | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 16 |
| | | | | | | | | | | | | | 2 | 17 |
| PENTA E | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 11 |
| | | | | | | | | | | | | | 2 | 12 |
| D18S51 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 16 |
| | | | | | | | | | | | | | 2 | 17 |
| D21S11 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 30 |
| | | | | | | | | | | | | | 2 | 30 |
| TH01 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | | 1 | 6 |
| | | | | | | | | | | | | | 2 | 7 |

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LDIS SPECIMEN REPORT

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LOCAL CASEWORK INDEX

SPECIMEN INFORMATION

Local Specimen Number: MW02-3662CAP139

Universal Specimen Number: 1223

| Specimen Laboratory | Received Date | Assign To | Contract Laboratory | Specimen Category | Tissue Type | Population Group | Population Description | Entry Cftcd | State Cftcd | Dnr Sex | LDIS Entered By/Date | SDIS Entered By/Date |
|---------------------|---------------|-----------|---------------------|-------------------|-------------|------------------|------------------------|-------------|-------------|---------|----------------------|----------------------|
| VA080015 | | NEH | VA080015 | FORENSIC, UNKNOWN | UNSPECIFIED | UNSPECIFIED | | US | VA | N | NEH 08/27/2002 | NEH 08/27/2002 |

SIZING INFORMATION

| Locus | Probe | Technology | Assign To | Tissue Form | Ladder Enzyme | Autorad No | Entrd By | Entrd Date | Submit By | Submit Date | Lane No | Allele No | Mol Wt or VALUE |
|---------|-------|------------|-----------|-------------|---------------|------------|----------|------------|-----------|-------------|---------|-----------|-----------------|
| D3S1358 | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 15 |
| | | | | | | | | | | | 2 | 2 | 16 |
| PENTA D | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 9 |
| | | | | | | | | | | | 2 | 2 | 13 |
| CSF1PO | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | 2 | 2 | 11 |
| D7S820 | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | 2 | 2 | 14 |
| D13S317 | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | 2 | 2 | 14 |
| D5S818 | | FBI PCR | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | 2 | 2 | 11 |

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Local Match Result Report

Target ID: UMW02-3662HAT136

Laboratory: VA080015Y

Specimen Type: Forensic, Unknown

Indexes:

Forensic

Forensic STR

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Target Profile:

FGA: 19, 24
TPOX: 11
D8S1179: 14
vWA: 15, 18
Penta E: 5, 7
D18S51: 16
D21S11: 27
TH01: 7
D3S1358: 16
D7S820: 11
D13S317: 12
D5S818: 9, 11

Match Summary:

12 Locus Candidates: 1

Total Candidates: 1

Match Details:

Specimen ID: UMW02-3662HAT
Laboratory: VA080015Y
Specimen Type: Forensic, Unknown
Indexes: Forensic

same sample

Forensic STR

Match Date: 07/26/2002 13:10
Match Stringency: Matched High

Match Window in Effect:

Above 10,000 BP: ±8.0%
Between 10,000 BP and 2,000 BP: ±2.5%
Below 2,000 BP: ±2.5%

Minimum number of loci required to report a match: 4
Include Candidate specimens that match on all but 0 loci.
Maximum number of candidates to return from search: 50

Totals:

| | Searched | Incomplete profiles | Too few loci | Max exceeded | Total |
|--------------|----------|---------------------|--------------|--------------|-------|
| Forensic | 596 | 1 | 0 | 0 | 596 |
| Forensic STR | 596 | 0 | 0 | 0 | 596 |
| Offender | 0 | 0 | 0 | 0 | 0 |
| Offender STR | 0 | 0 | 0 | 0 | 0 |
| Totals | 596 | 0 | 0 | 0 | 596 |

FGA: Matched High
1 19 (T1)
2 24 (T2)

TPOX: Matched High
1 11 (T1)

ACT

Local Match Result Report

Match Details Continued:

Specimen ID: UMW02-3662HAT Continued

Laboratory: VA080015Y

D8S1179: Matched High
1 14 (T1)

vWA: Matched High
1 15 (T1)
2 18 (T2)

Penta E: Matched High
1 5 (T1)
2 7 (T2)

D18S51: Matched High
1 16 (T1)

D21S11: Matched High
1 27 (T1)

TH01: Matched High
1 7 (T1)

D3S1358: Matched High
1 16 (T1)

D7S820: Matched High
1 11 (T1)

D13S317: Matched High
1 12 (T1)

D5S818: Matched High
1 9 (T1)
2 11 (T2)

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Virginia Division of Forensic Science
CODIS Match Review Worksheet

1309/19/

FS Lab # W02-3662

Analyst: mlb

| Case Sample | FGA | TPOX | D8S1179 | vWA | Penta E | D18S51 | D21S11 | TH01 | D3S1358 | Penta D | CSF1PO | D16S539 | D7S820 | D13S317 | D5S |
|-------------|-------|--------|---------|--------------------|---------|---------|--------|------|---------|---------|--------|---------|--------|----------|------------|
| W02-3662 | 19,24 | (8),11 | 14,14 | 15,(16) (17),18 | 5,7 | (15),16 | 27,27 | 7,7 | (15),16 | NR | INC | INC | 11,11 | (2),(13) | 9, (12) |
| major | 19,24 | 11 | 14 | 15,18 | 5,7 | 16 | 27 | 7 | 16 | — | — | — | 11 | 12 | 9,11 |

*values listed above are all the genotypes obtained for the sample

| Specimen ID# | Date of Match Report | Eliminated | Specimen ID# | Date of Match Report | Eliminated | Specimen ID# | Date of Match Report | Eliminated |
|--------------|----------------------|------------|---------------|----------------------|------------|--------------|----------------------|------------|
| 94-02822 | 8/14/02 | (Y/N) | 97-00208 | 8/14/02 | (Y/N) | | | Y/N |
| 94-08868 | | (Y/N) | 96-17828 | | (Y/N) | | | Y/N |
| 94-14239 | | (Y/N) | 95-12579 | | (Y/N) | | | Y/N |
| 94-13930 | | (Y/N) | 91-16812 | | (Y/N) | | | Y/N |
| 97-21731 | | (Y/N) | 97-04509 | | (Y/N) | | | Y/N |
| 95-10129 | | (Y/N) | 97-04341 | | (Y/N) | | | Y/N |
| 95-15663 | | (Y/N) | 97-04445 | | (Y/N) | | | Y/N |
| 96-02444 | | (Y/N) | 97-04649 | | (Y/N) | | | Y/N |
| 96-02400 | | (Y/N) | 97-04922 | | (Y/N) | | | Y/N |
| 96-07284 | | (Y/N) | 96-09531 | | (Y/N) | | | Y/N |
| 96-04125 | | (Y/N) | N00-103638LD | | (Y/N) | | | Y/N |
| 96-10145 | | (Y/N) | N00-64836um | | (Y/N) | | | Y/N |
| 96-10763 | | (Y/N) | 92-40331 | | (Y/N) | | | Y/N |
| 96-11352 | | (Y/N) | UMT01-9305PSP | | (Y/N) | | | Y/N |

State Match Result Report

Target ID: UMW02-3662HAT

Laboratory: VA080015Y

Specimen Type: Forensic, Unknown

Indexes:

Forensic

Forensic STR

Target Profile:

FGA: 19, 24
TPOX: 11
D8S1179: 14
vWA: 15, 18
D18S51: 16
D21S11: 27
TH01: 7
D3S1358: 16
D7S820: 11
D13S317: 12
D5S818: 9, 11
PENTAE: 5, 7

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Match Summary:

6 Locus Candidates: ----- 28

- all eliminated

Total Candidates: 28

Match Details:

Specimen ID: 94-02822
Laboratory: VA122015Y
Specimen Type: Convicted Offender
Indexes: Offender

Offender STR

Match Date: 08/14/2002 11:15
Match Stringency: Matched Moderate

Match Window in Effect:
Above 10,000 BP: ±7.1%
Between 10,000 BP and 2,000 BP: ±2.5%
Below 2,000 BP: ±2.5%

Minimum number of loci required to report a match: 4
Include Candidate specimens that match on all but 0 loci.
Maximum number of candidates to return from search: 50

Totals:

| | Total Searched |
|--------------|----------------|
| Forensic STR | 3,969 |
| Offender STR | 181,837 |
| Suspect | 29 |
| Totals | 185,835 |

TPOX: Matched Moderate
1 9 (N/A)
2 11 (T1)

vWA: Matched Moderate
1 18 (T2)

NO15

LDAS Specimen Report
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Lab ID: VA080015Y

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Specimen Number: UMW02-3662HAT136

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Submitted to LDIS:
Submitted to SDIS:

Specimen Category: FORENSIC, UNKNOWN Sex: NOT SPECIFIED Status: OK
Population Group: UNSPECIFIED Population Description:
Tissue Type: UNSPECIFIED
Originating Agency: [N/A] Agency Spec Number:
Collected By: Collected Date:
Location: State: VA Country: US

Laboratory

Received By: [N/A] Received Date: Received Time:
Assigned To: NEH

LDAS

Added By: NEH Added Date: 8/25/2002 Added Time: 12:21
Comments:

Sample Number: 0 Technician: [N/A]
Sample Date: Sample Time:
Tissue Form: STAIN Sample From: 0 Sample Location:
Added By: NEH Added Date: 7/26/2002 Added Time: 13:04
Comments:

PCR Locus: FGA

LDIS SDIS

Reading Number: 1 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 19
Allele 2 Value = 24

Reading Number: 2 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 19
Allele 2 Value = 24

PCR Locus: TPOX

LDIS SDIS

Reading Number: 1 Read By: NEH Reading Date: 7/26/2002
Allele 1 Value = 11
Allele 2 Value = 11

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Lab ID: VA080015Y

Specimen Number: UMW02-3662HAT136 (continued)

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PCR Locus: TPOX

LDIS SDIS

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D8S1179

LDIS SDIS

Reading Number: 1
Allele 1 Value = 14
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 14
Allele 2 Value = 14

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: VWA

LDIS SDIS

Reading Number: 1
Allele 1 Value = 15
Allele 2 Value = 18

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 15
Allele 2 Value = 18

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: PENTA E

LDIS SDIS

Reading Number: 1
Allele 1 Value = 5
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 5
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

LDAS Specimen Report

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Lab ID: VA080015Y

Specimen Number: UMW02-3662HAT136 (continued)

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PCR Locus: D18S51

LDIS SDIS

Reading Number: 1
Allele 1 Value = 16
Allele 2 Value = 16

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 16
Allele 2 Value = 16

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D21S11

LDIS SDIS

Reading Number: 1
Allele 1 Value = 27
Allele 2 Value = 27

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 27
Allele 2 Value = 27

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: TH01

LDIS SDIS

Reading Number: 1
Allele 1 Value = 7
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 7
Allele 2 Value = 7

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D3S1358

LDIS SDIS

Reading Number: 1
Allele 1 Value = 16
Allele 2 Value = 16

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 16

Read By: NEH

Reading Date: 7/26/2002

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Specimen Number: UMW02-3662HAT136 (continued)

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PCR Locus: D3S1358

LDIS SDIS

7/26/2002

Allele 2 Value = 16

PCR Locus: D7S820

LDIS SDIS

Reading Number: 1
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 11
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D13S317

LDIS SDIS

Reading Number: 1
Allele 1 Value = 12
Allele 2 Value = 12

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 12
Allele 2 Value = 12

Read By: NEH

Reading Date: 7/26/2002

PCR Locus: D5S818

LDIS SDIS

Reading Number: 1
Allele 1 Value = 9
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

Reading Number: 2
Allele 1 Value = 9
Allele 2 Value = 11

Read By: NEH

Reading Date: 7/26/2002

NEH

LDIS SPECIMEN REPORT

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LOCAL CASEWORK INDEX

SPECIMEN INFORMATION

Local Specimen Number: UMW02-3662HAT136 Universal Specimen Number: 1222

| | | | | | | | | | | |
|---------------------|---------------------|-----------|-------------------|------------------|------------------------|-------------|-------------|---------|----------------------|----------------------|
| Specimen Laboratory | Contract Laboratory | Assign To | Specimen Category | Population Group | Population Description | Cntry Cftcd | State Cftcd | Dnr Sex | LDIS Entered By/Date | SDIS Entered By/Date |
| VA080015 | VA080015 | NEH | FORENSIC, UNKNOWN | UNSPECIFIED | UNSPECIFIED | US | VA | N | NEH 08/27/2002 | NEH 08/27/2002 |

SIZING INFORMATION

| Locus | Probe | Technology | Gel No | Assign To | Tissue Form | Ladder Enzyme | Autorad No | Entrd By | Entrd Date | Submit By | Submit Date | Lane No | Allele No | Mol Wt or VALUE |
|---------|---------|------------|--------|-----------|-------------|---------------|------------|----------|------------|-----------|-------------|---------|-----------|-----------------|
| FGA | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 19 |
| | | | | | | | | | | | | 2 | 2 | 24 |
| TPOX | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | | 2 | 2 | 11 |
| D8S1179 | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 14 |
| | | | | | | | | | | | | 2 | 2 | 14 |
| VWA | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 15 |
| | | | | | | | | | | | | 2 | 2 | 18 |
| PENTA E | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 5 |
| | | | | | | | | | | | | 2 | 2 | 7 |
| D18S51 | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 16 |
| | | | | | | | | | | | | 2 | 2 | 16 |
| D21S11 | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 27 |
| | | | | | | | | | | | | 2 | 2 | 27 |
| TH01 | FBI PCR | FBI PCR | NEH | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 7 |
| | | | | | | | | | | | | 2 | 2 | 7 |

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LDIS SPECIMEN REPORT

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LOCAL CASEWORK INDEX

SPECIMEN INFORMATION

Local Specimen Number: UMW02-3662HAT136 Universal Specimen Number: 1222

| | | | | | | | | | | | |
|---------------------|---------------|-----------|---------------------|-------------------|------------------|------------------------|--------------|--------------|---------|----------------------|----------------------|
| Specimen Laboratory | Received Date | Assign To | Contract Laboratory | Specimen Category | Population Group | Population Description | Entry Cllctd | State Cllctd | Dnr Sex | LDIS Entered By/Date | SDIS Entered By/Date |
| VA080015 | | NEH | VA080015 | FORENSIC, UNKNOWN | UNSPECIFIED | | US | VA | N | NEH 08/27/2002 | NEH 08/27/2002 |

SIZING INFORMATION

| | | | | | | | | | | | | | | |
|---------|-------|------------|---------|-----------|-------------|---------------|------------|----------|------------|-----------|-------------|---------|-----------|-----------------|
| Locus | Probe | Technology | Gel No. | Assign To | Tissue Form | Ladder Enzyme | Autorad No | Entrd By | Entrd Date | Submit By | Submit Date | Lane No | Allele No | Mol Wt or VALUE |
| D3S1358 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 16 |
| | | | | | | | | | | | | 2 | 2 | 16 |
| D7S820 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 11 |
| | | | | | | | | | | | | 2 | 2 | 11 |
| D13S317 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 12 |
| | | | | | | | | | | | | 2 | 2 | 12 |
| D5S818 | | FBI PCR | | NEH | | | | NEH | 08/27/2002 | NEH | 08/27/2002 | 1 | 1 | 9 |
| | | | | | | | | | | | | 2 | 2 | 11 |

W02-3662
neh
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VIRGINIA DIVISION OF FORENSIC SCIENCE
ORGANIC EXTRACTION

ANALYST: neh
DATE: 8/19/02

1380/191

CASE #: W02-3662

| METHOD | SAMPLE NUMBER | DESCRIPTION |
|--------|-----------------------|--------------------|
| mic | RBmic | REAGENT BLANK |
| | W02-3662 407 | stain from T-shirt |
| | W02-3662 601 | sample from bottle |
| | W02-3662 602 | |
| | W02-3662 603 | |
| | W02-3662 608 | cigar butt |
| | W02-6591 (13) | sample from UP |
| | W02-6591 (16) | |
| eth | reagent blank - RBeth | |
| | W02-3662 (5401) | buccal |
| | W02-6591 (17) S | |
| | W02-6591 (21) V | |
| | W02-6591 (22) V | |
| | STR2000-1505 | RANDOM SAMPLE |

| REAGENT | VOLUME (µl) | LOT #/SOURCE | COMMENTS |
|-------------------------|-------------|--------------|-----------|
| STAIN EXTRACTION BUFFER | 400 | 04302CGH | |
| PROTEINASE K | 10 | 062002KEF | overnight |

ETHANOL PRECIPITATION

| REAGENT | VOLUME (µl) | LOT # |
|------------------------|-------------|----------------|
| PHENOL/CHLOROFORM/IAA | 500 | 111K1332 Sigma |
| ABSOLUTE ALCOHOL | 1000 | N37153 Baker |
| 70% REAGENT ALCOHOL | 1000 | 032202CGH |
| TE ⁺ BUFFER | 36 | 071902 AKF |

MICROCON CONCENTRATION

| REAGENT | VOLUME (µl) | LOT # |
|---|-------------|-----------------|
| PHENOL/CHLOROFORM/IAA | 500 | 111K1332 Sigma |
| MICROCON 100 ⁵⁰ neh | | L8PM3792 AMICON |
| STERILE H ₂ O | 100 | 041602CGH |
| STERILE H ₂ O | 200 | 041602CGH |
| TE ⁺ BUFFER | 30 | 071902 AKF |

VIRGINIA DIVISION OF FORENSIC SCIENCE
SLOT BLOT DNA QUANTITATION

ANALYST: neh
MEMBRANE #: 02-55

CASE #: W02-3662
DATE: 8/21/02

139/191

| IMMOBILIZATION OF DNA | | |
|---|--------|---------------|
| REAGENT | VOLUME | LOT #/SOURCE |
| QUANTI-BLOT KIT | | D02625 PE |
| HUMAN DNA STANDARDS 40 ng TO 156 pg (std A) K562 lot # C05351 PE | 5 µL | 081302 KEF |
| DNA CALIBRATOR 1 | 5 µL | C05352 PE |
| DNA CALIBRATOR 2 | 5 µL | C05902 PE |
| SAMPLE DNA | 5 µL | |
| SPOTTING SOLUTION | 150 µL | 060702 AKF |
| BIODYNE B MEMBRANE | | 138141 Gelman |
| PRE-WETTING SOLUTION | 50 mL | 070102 KEF |

| DNA HYBRIDIZATION | | |
|-----------------------------------|--------|--------------------|
| REAGENT | VOLUME | LOT #/SOURCE |
| HYBRIDIZATION SOLUTION | 100 mL | 32K3489 052902 NCD |
| 30% H ₂ O ₂ | 5 mL | 32K3489 SIGMA |
| HYBRIDIZATION SOLUTION | 30 mL | 057902 NCD |
| D17Z1 PROBE | 20 µL | D01381 PE |
| WASH SOLUTION (RINSE) | 100 mL | 071002 L6H |
| WASH SOLUTION | 30 mL | 071002 L6H |
| ENZYME CONJUGATE | 90 µL | C08980 PE |
| WASH SOLUTION (2X RINSE) | 100 mL | 071002 L6H |
| WASH SOLUTION | 100 mL | 071002 L6H |

| CHEMILUMINESCENT DETECTION | | |
|--|--------|-----------------|
| REAGENT | VOLUME | LOT #/SOURCE |
| SuperSignal West Femto Peroxide Buffer | 3 mL | CJ 52564 PIERCE |
| SuperSignal West Femto Luminol/Enhancer Solution | 3 mL | CJ 52565 PIERCE |

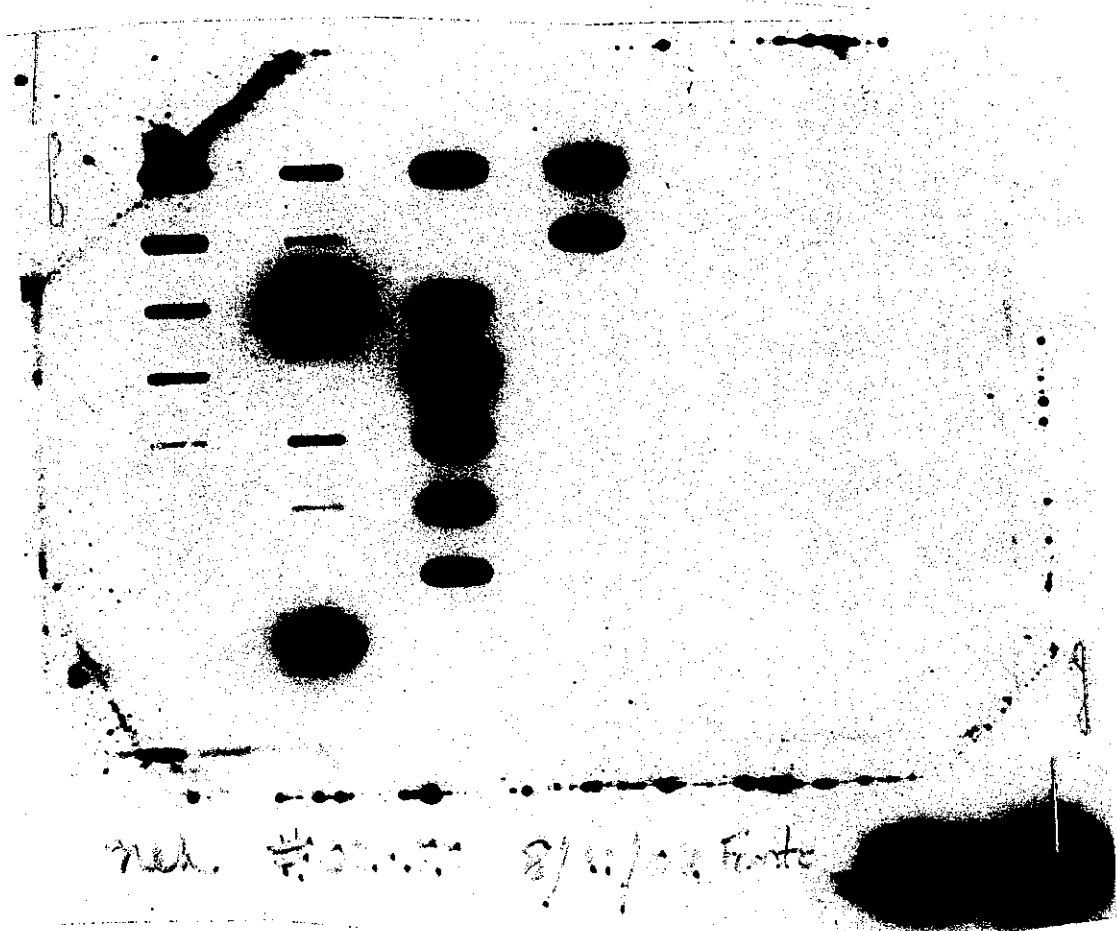
CASE: W02-3662

ANALYST: neh

DATE: 8/21/02

1409/191

DNA SLOT BLOT



neh. #12222 8/21/02. Fente

Original lumigraph with:

W02-3662

VIRGINIA DIVISION OF FORENSIC SCIENCE
 BRL 'CONVERTIBLE' SLOT BLOT

ANALYST: neh CASE #: W02-3662
 DATE: 8/21/02 MEMBRANE #: 02-55

| | 1 | 2 | 3 | 4 | 5 | 6 |
|---|--------------------------------|--------------------------------------|------------------------------------|---------------------------|------------------|------------------|
| A | sample A ng DNA 10 | sample Cal one ng DNA 3.5 | sample W02-6591 (16) ng DNA 30 | sample 40 ng ng DNA 40 | sample ng DNA | sample ng DNA |
| B | sample B ng DNA 5 | sample Cal two ng DNA 0.5 | sample 80 ng ng DNA NVD | sample 20 ng ng DNA 20 | sample ng DNA | sample ng DNA |
| C | sample C ng DNA 2.5 | sample W02-3662 (10) ng DNA ~150 | sample W02-3662 (546) ng DNA 20 | sample ng DNA | sample ng DNA | sample ng DNA |
| D | sample D ng DNA 1.25 | sample W02-3662 (20) ng DNA NVD | sample W02-6591 (17) ng DNA 50 | sample ng DNA | sample ng DNA | sample ng DNA |
| E | sample E ng DNA 0.63 | sample W02-3662 (602) ng DNA 1.25 | sample W02-6591 (21) ng DNA 20 | sample ng DNA | sample ng DNA | sample ng DNA |
| F | sample F ng DNA NVD | sample W02-3662 (603) ng DNA 0.63 | sample W02-6591 (22) ng DNA 30 | sample ng DNA | sample ng DNA | sample ng DNA |
| G | sample G ng DNA NVD | sample W02-3662 (608) ng DNA NVD | sample 512000-1505 ng DNA 10 | sample ng DNA | sample ng DNA | sample ng DNA |
| H | sample spot. set ng DNA NVD | sample W02-6591 (13) ng DNA ~80 | sample 88 ct ng DNA NVD | sample ng DNA | sample ng DNA | sample ng DNA |

NVD - No visible DNA detected

results from femto

11/2/191

VIRGINIA DIVISION OF FORENSIC SCIENCE
SLOT BLOT DNA QUANTITATION

ANALYST: neh
MEMBRANE #: 02-55

CASE #: W02-3662
DATE: 8/23/02

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| IMMOBILIZATION OF DNA | | |
|---|--------|----------------|
| REAGENT | VOLUME | LOT # / SOURCE |
| QUANTI-BLOT KIT | | PE |
| HUMAN DNA STANDARDS 40 ng TO 156 pg std A / K562 lot # | 5 µL | |
| DNA CALIBRATOR 1 | 5 µL | PE |
| DNA CALIBRATOR 2 | 5 µL | PE |
| SAMPLE DNA | 5 µL | |
| SPOTTING SOLUTION | 150 µL | |
| BIODYNE B MEMBRANE | | Gelman |
| PRE-WETTING SOLUTION | 50 mL | |

| DNA HYBRIDIZATION | | |
|-----------------------------------|--------|----------------|
| REAGENT | VOLUME | LOT # / SOURCE |
| HYBRIDIZATION SOLUTION | 100 mL | N/A |
| 30% H ₂ O ₂ | 5 mL | N/A SIGMA |
| HYBRIDIZATION SOLUTION | 30 mL | N/A |
| D17Z1 PROBE | 20 µL | N/A PE |
| WASH SOLUTION (RINSE) | 100 mL | 071002C6H |
| WASH SOLUTION | 30 mL | 071002C6H |
| ENZYME CONJUGATE | 90 µL | 608980 PE |
| WASH SOLUTION (2X RINSE) | 100 mL | 071002C6H |
| WASH SOLUTION | 100 mL | 071002C6H |

| CHEMILUMINESCENT DETECTION | | |
|----------------------------|--------|-------------------|
| REAGENT | VOLUME | LOT # / SOURCE |
| ECL REAGENT 2 | 5 mL | Batch 77 AMERSHAM |
| ECL REAGENT 1 | 5 mL | Batch 77 AMERSHAM |

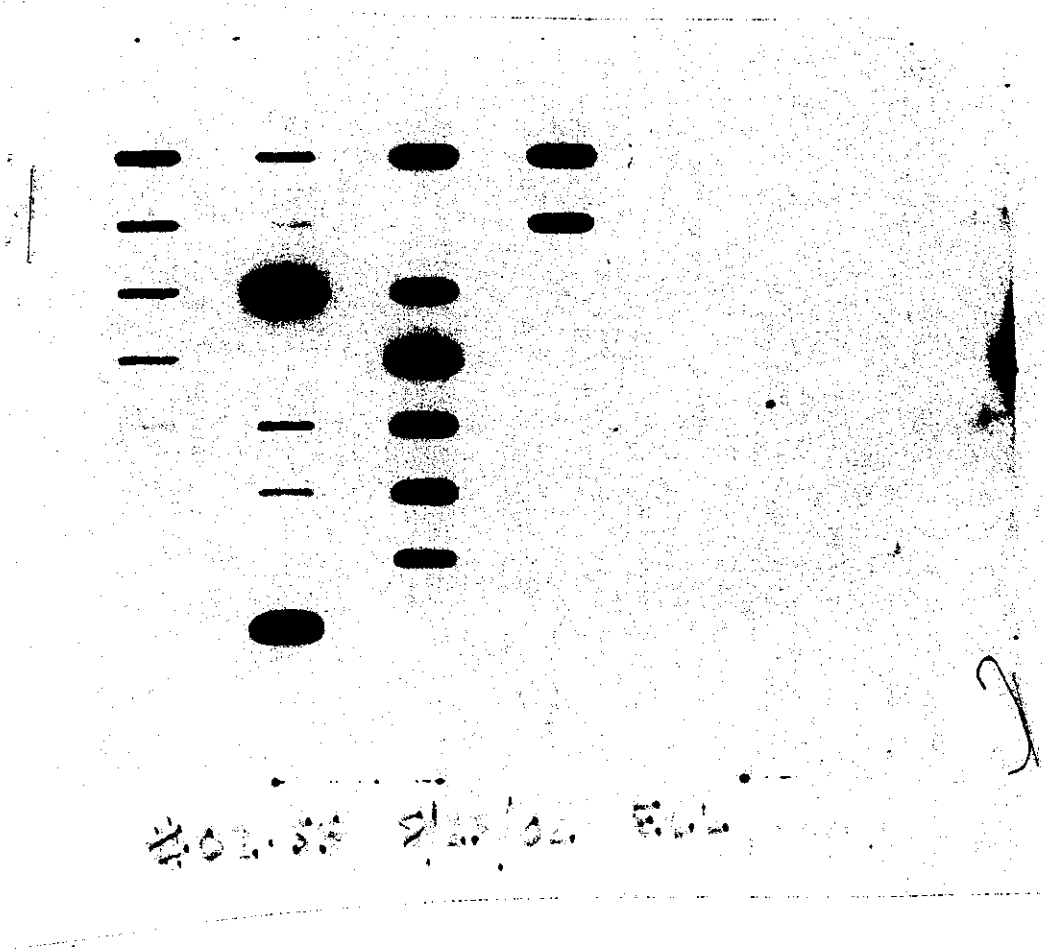
CASE: W02-3662

ANALYST: neh

DATE: 8/23/02

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DNA SLOT BLOT



W02-3662 8/23/02

Original lumigraph with:

W02-3662

VIRGINIA DIVISION OF FORENSIC SCIENCE

CASE #: W02-3662

ANALYST: neh

DATE: 8/21/02

1459191

PowerPlex® 16 BIO SYSTEM
SAMPLE AMPLIFICATION VOLUMES

| ITEM # | DILUTION | VOLUME | ITEM # | DILUTION | VOLUME |
|--------------------|----------|--------|-------------------|----------|--------|
| 1 W02-3662 (401) | 2 + 298 | 3 + 7 | 13 RB mic | | 10 |
| 2 W02-3662 (601) | | 10 | 14 RB eth | | 10 |
| 3 W02-3662 (602) | | 2 + 8 | 15 W02-3662 (601) | | 1 + 9 |
| 4 W02-3662 (603) | | 5 + 5 | 16 W02-3662 (603) | | 1 + 9 |
| 5 W02-3662 (608) | | 10 | 17 | | |
| 6 W02-6591 (13) | 2 + 158 | 3 + 7 | 18 | | |
| 7 W02-6591 (16) | 2 + 58 | 3 + 7 | 19 | | |
| 8 STR2000-1505 | 2 + 18 | 3 + 7 | 20 | | |
| 9 W02-3662 (5401) | 2 + 38 | 3 + 7 | 21 | | |
| 10 W02-6591 (175) | 2 + 98 | 3 + 7 | 22 | | |
| 11 W02-6591 (21) V | 2 + 38 | 3 + 7 | 23 | | |
| 12 W02-6591 (22) V | 2 + 58 | 3 + 7 | 24 | | |

Note: 0.50 - 0.75 ng of extracted DNA is used for amplification. Bring total volume of sample to 10 µL with Sterile water

| PROCEDURE | VOLUME (µl) | LOT #/SOURCE |
|--|-------------------|------------------|
| POWERPLEX® 16 BIO Kit Exp. Date: 8/2004 | QC DATE: 12/21/01 | 142221 PROMEGA |
| GOLD ST*R BUFFER | 2.50 X 22 = 55 | 13260201 PROMEGA |
| POWERPLEX® 16 BIO 10X PRIMER PAIRS | 2.50 X 22 = 55 | 14113001 PROMEGA |
| STERILE TYPE 1 WATER | 9.20 X 22 = 202.4 | 041602cgh |
| AmpliTag Gold(= .0 UNITS) | 0.80 X 22 = 17.6 | C09831 PE |
| GM9947A POSITIVE CONTROL | 10 µL | 11816503 PROMEGA |
| STERILE TYPE 1 WATER NEGATIVE CONTROL | 10 µL | 041602cgh |

NOTE: The total volume of Master Mix is 15 µL per sample.

PPLX16 10/22/01

VIRGINIA DIVISION OF FORENSIC SCIENCE
 SAMPLE SET UP FOR 9600 THERMAL CYCLER

ANALYST: neh

CASE #: W02-3662

DATE: 8/21/02

14/609/91

THERMAL CYCLER: 1

START TIME: 100

DATE OF LAST CALIBRATION: 7/11/02

SYSTEM: PowerPlex 16B10

| | | | | | | | | | | | |
|----|------------------------|------------------------|----------------------------|-----------------------|-----------------------|-----------------------|----------------------------|----------------------|-----------------------|-----|-----|
| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 |
| B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 |
| C1 | C2 STR2000- 1505 | C3 W02-3662 5401 | C4 W02-6591 ⑰ 5 | C5 W02-6591 ⑳ v | C6 W02-6591 ㉑ v | C7 RB mic | C8 RB etc | C9 9947A | C10 neg | C11 | C12 |
| D1 | D2 | D3 | D4 | D5 | D6 | D7 | D8 | D9 | D10 | D11 | D12 |
| E1 | E2 | E3 | E4 | E5 | E6 | E7 | E8 | E9 | E10 | E11 | E12 |
| F1 | F2 W02-3662 407 | F3 W02-3662 601 | F4 W02-3662 601 dil. | F5 W02-3662 602 | F6 W02-3662 603 | F7 W02-3662 608 | F8 W02-3662 608 dil. | F9 W02-6591 13 | F10 W02-6591 14 | F11 | F12 |
| G1 | G2 | G3 | G4 | G5 | G6 | G7 | G8 | G9 | G10 | G11 | G12 |
| H1 | H2 | H3 | H4 | H5 | H6 | H7 | H8 | H9 | H10 | H11 | H12 |

VIRGINIA DIVISION OF FORENSIC SCIENCE
PRODUCT GEL

ANALYST: neh

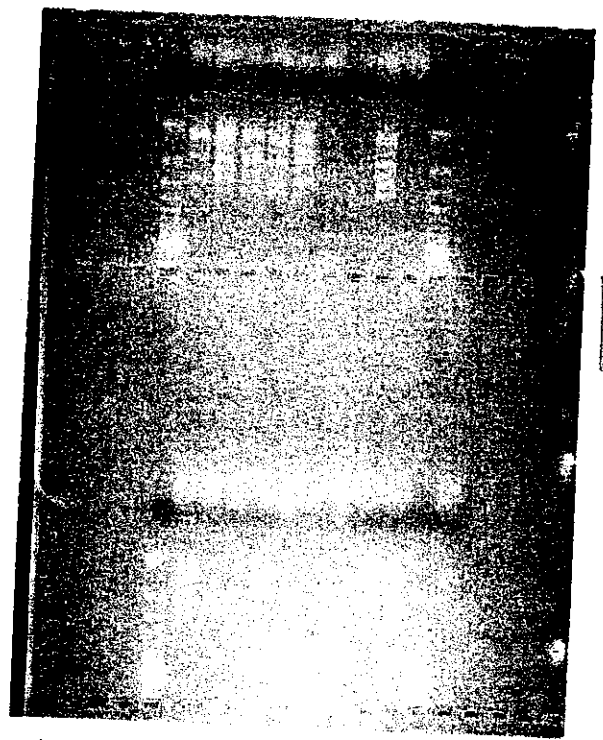
DATE: 8/22/02

CASE #: W02-3662

SYSTEM: PowerPlex 16B10

1472191

| SAMPLE | PRODUCT |
|--------|-------------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | Ladder |
| 6 | W02-3662 407 |
| 7 | W02-3662 601 |
| 8 | W02-3662 601 dil. |
| 9 | W02-3662 602 |
| 10 | W02-3662 603 |
| 11 | W02-3662 608 |
| 12 | W02-3662 608 dil. |
| 13 | W02-6591 13 |
| 14 | W02-6591 16 |
| 15 | Ladder |
| 16 | W02-3662 603 |
| 17 | |
| 18 | |
| 19 | |
| 20 | |



| SAMPLE | PRODUCT |
|--------|----------------|
| 21 | |
| 22 | |
| 23 | |
| 24 | |
| 25 | Ladder |
| 26 | STR2000-1505 |
| 27 | W02-3662 5401 |
| 28 | W02-6591 (1) S |
| 29 | W02-6591 (2) V |
| 30 | W02-6591 (2) V |
| 31 | RB mic |
| 32 | RB eth |
| 33 | 9947A |
| 34 | Neg |
| 35 | Ladder |
| 36 | |
| 37 | |
| 38 | |
| 39 | |
| 40 | |

GEL PREPARED BY: 082102CGH-1

Double Product Gel

| REAGENTS | LOT # | SOURCE |
|--|-----------|------------|
| AGAROSE 3.0g (3.45g) | AE3041 | BMA |
| 0.5X TBE GEL BUFFER 100ml (1.5ml) | 061907NCD | |
| 0.5X TBE TANK BUFFER | 031502cgh | |
| ETHIDIUM BROMIDE 10µl (1.5µl) | 072502KEF | |
| LOADING BUFFER 2.5µl | 031502cgh | |
| 123 bp LADDER 1ul + 4ul loading buffer | 1123364 | Invitrogen |

| | | |
|---------------|-------------|--------|
| TIME ON: 730 | VOLTS: 115V | mA: 75 |
| TIME OFF: 840 | VOLTS: 115V | mA: 80 |

VIRGINIA DIVISION OF FORENSIC SCI
PowerPlex® 16 BIO GEL DATA

CASE: W02-3662

ANALYST: neh

DATE: 8/22/02

GEL#: 082202neh

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| LANE | Vol. Mixed (µL) | Vol. Loaded (µL) | SAMPLE | Sizing | COMMENTS |
|------|-----------------|------------------|-------------------|--------|----------|
| 1 | | 2 | TRACKING DYE. | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | 3 | 3 | negative | 1 | |
| 6 | | 3 | ladder | 2 | |
| 7 | 0.75 | 3 | 9947A | 3 | |
| 8 | 2 | 3 | reagent blank eth | 4 | |
| 9 | 0.75 | 3 | STR2000-1505 | 5 | |
| 10 | | 3 | ladder | 6 | |
| 11 | 0.75 | 3 | W02-6591 13 | 7 | |
| 12 | 3 | 3 | reagent blank mic | 8 | |
| 13 | 0.75 | 3 | W02-6591 16 | 9 | |
| 14 | | 3 | ladder | 10 | |
| 15 | 0.75 | 3 | W02-6591 17 S | 11 | |
| 16 | 0.75 | 3 | W02-6591 21 V | 12 | |
| 17 | | 3 | ladder | 13 | |
| 18 | 0.75 | 3 | W02-6591 22 V | 14 | |
| 19 | 0.75 | 3 | W02-3662 5401 | 15 | |
| 20 | | 3 | ladder | — | EXCLUDE |
| 21 | 0.75 | 3 | W02-3662 407 | 16 | |
| 22 | 1 | 3 | W02-3662 602 | 17 | |
| 23 | | 3 | ladder | 18 | |
| 24 | 1 | 3 | W02-3662 603 | 19 | |
| 25 | 3 | 3 | W02-3662 603 | 20 | |
| 26 | | 3 | ladder | 21 | |
| 27 | | | matrix | | |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | 2 | TRACKING DYE | | |

| REAGENT | VOLUME (µL) | LOT #/SOURCE |
|---|-----------------|------------------|
| DNA | Variable | |
| BROMOPHENOL BLUE | 3.0 x 20 = 60 | SEE BELOW |
| ILS 600 BIO | 0.75 x 20 = 15 | SEE BELOW |
| 1X GOLD ST*R BUFFER | Variable | SEE BELOW |
| PP 16 BIO Ladder | 0.75 x 5 = 3.75 | 14135101 Promega |
| 10X GOLD ST*R BUFFER 1X GOLD ST*R LOT# 081502reb | 1.50 x 5 = 7.5 | 13260201 Promega |
| BROMOPHENOL BLUE | 3.0 x 5 = 15.0 | 13389602 Promega |
| ILS 600 BIO | 0.75 x 5 = 3.75 | 14111301 Promega |
| TRACKING DYE | 2.0/lane | 13070105 Promega |
| 1X TBE BUFFER | approx 500 mL | 062602NCD |
| Matrix 16 BIO | 1.5 | 14113301 Promega |
| BROMOPHENOL BLUE | 3.0 | SEE ABOVE |
| 1X GOLD ST*R BUFFER | 1.5 | SEE ABOVE |

GEL PREPARATION 082102CGH

| | VOLUME | LOT #/SOURCE |
|---------------------------|--------|-----------------|
| Urea | 18 g | 31K0038 Sigma |
| Type I Water | 24 mL | 041602CGH |
| Page Plus™ 40% Gel Mix | 7.5 mL | 1291B41 Amresco |
| 10X TBE | 5 mL | 051402cgh |
| 10% APS | 300 µL | 65H0437 Sigma |
| TEMED | 40µl | 115H0550 Sigma |

GEL RUN CONDITIONS

| | TIME | W | mA |
|-------|------|----|----|
| Start | 955 | 60 | 34 |
| End | 1210 | 60 | 32 |

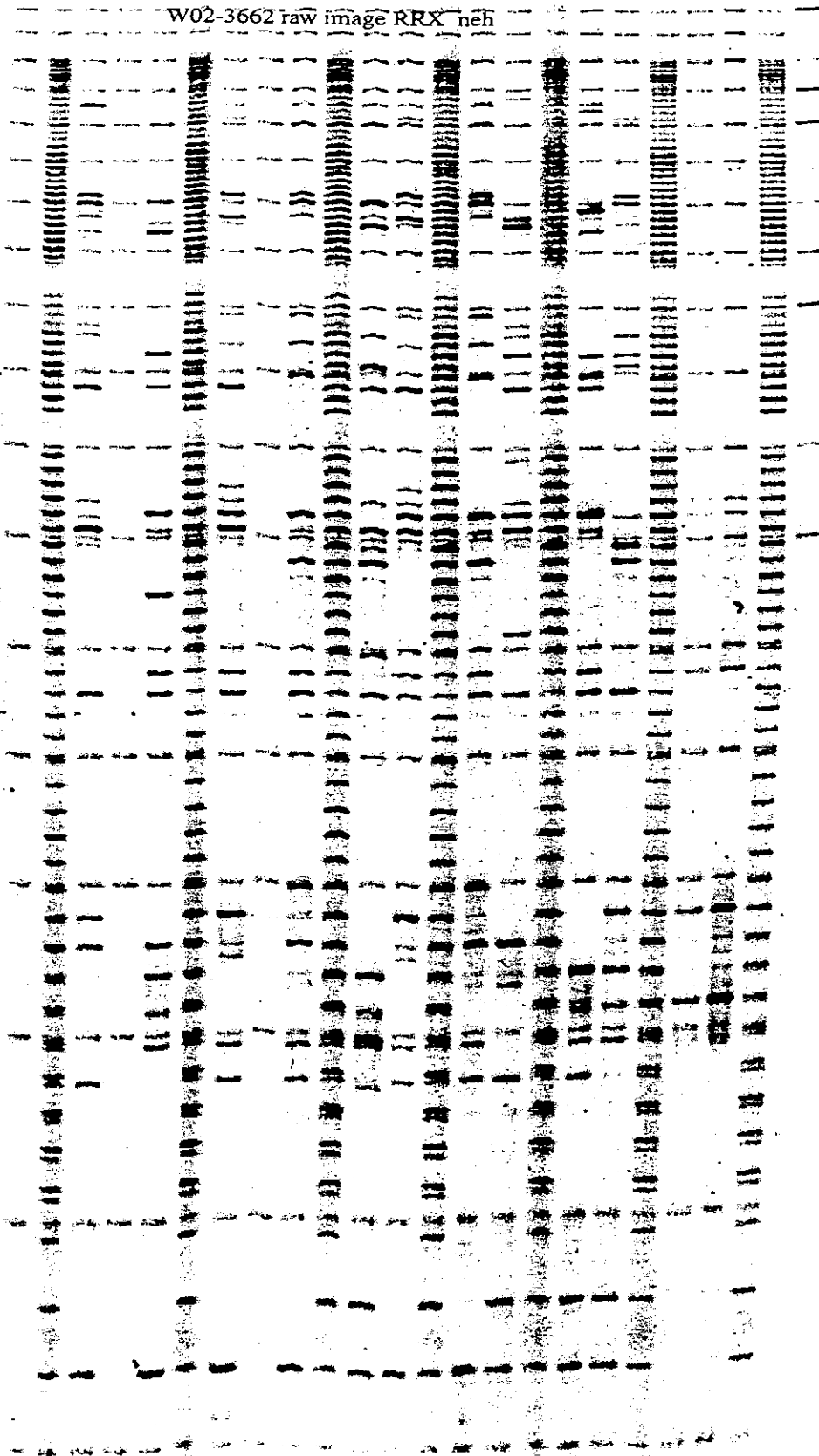
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Created: 8/22/2002 Modified: 8/22/2002
ImageSize(mm): 161.7 x 322.0
Resolution(DPI): 150 x 150

Reading Parameters
Repeat: 300 times
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Sensitivity: 100%
Focusing Point: 0.0 mm

Gray Level Correction
Type: Range
Low(Background): 50 % (287)
High(Signal): 1 % (1378)

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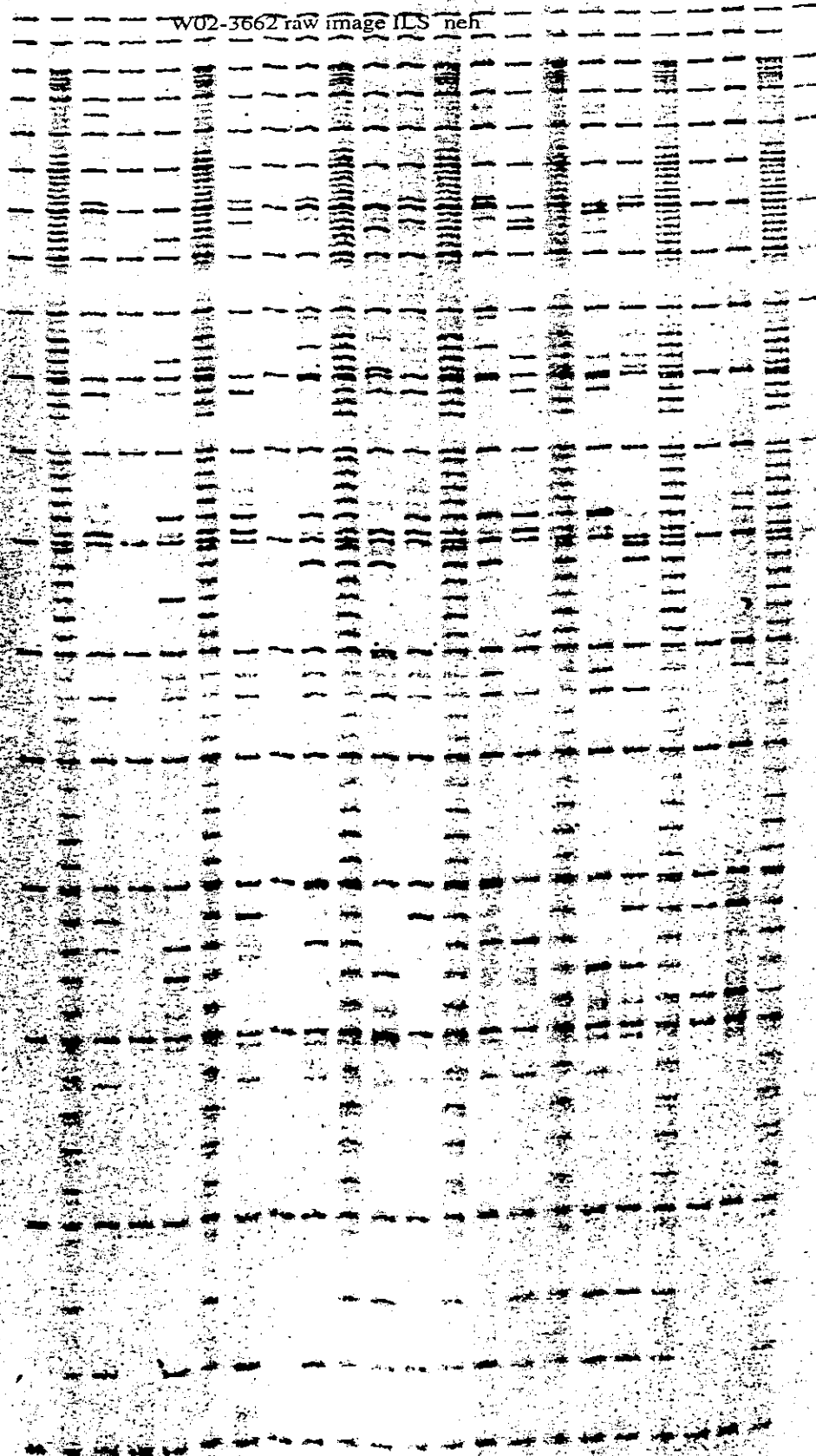
neh



FileName: 082202NEH.2CH
Created 8/22/2002 Modified 8/22/2002
ImageSize(mm) 161.7 x 322.0
Resolution(DPI) 150 x 150

Reading Parameters
Repeat 300 times
Channel 2ch
Sensitivity 100%
Focusing Point 0.0 nm

Gray Level Correction
Type Low(Background) High(Signal)
Range 50 % (1194)
1 % (2206)



w02-3662 raw image ILS neh

neh

150 x 150