

Electrophoresis
worksheets / Technique
Development

* not very important
(according to Gina)

1-12-76

Gel upside down

10:05 300V 43 mA

2:45 300V 48 mA

BA ① #1

BA ② und.V

} 75-13196

CB ③ ①

CB ④ ②

} 75-10123 ✓

CB ⑤ ③

CA ⑥ ①

v's blood

} 9793 ✓

CA ⑦ ④

from floor

③ N6

④ N7

} 12641

⑩ N8

⑪ ⑧ V's

12566

⑫ MT

⑬ L

2-23-76

New Buffers

Gel right side up

at 2:00

Done down to 5mA

9:55 400V 56 mA

2:00 400V 5 mA

① ① Carol Mason A

② ② E. Nieuwenhuis B

③ Joyce Poole BA

④ David O'Neil CB

BA ⑤ Gina Demas

CB ⑥ 75-14488 ③

BA? ⑦ 75-14488 ④

BA ⑧ Henry Myrick 75-15932

BA ⑨ 75-12366, 75-N-505

? B ⑩ 75-12366 ④

BA ⑪ 75-12641 ⑥

BA ⑫ 75-12641 ⑦

BA * ⑬ 75-12641 ⑧

2-24-76

Gel upside down

9:45	400 V	62mA	
10:25	turned off due to short		10:32 mA 70 on again
1:55	400 V	85mA	
	① Mary Jane Burton		A
	② E. Nieuwenhuis		B
	③ Joyce Poole		BA
	④ David O'Neil		CB
	⑤ Gina Demas		
BA			
CB	⑥ 75-14488	③	
can read	⑦ 75-14488	④	
BA?	⑧ 75-11697	②	
BA	⑨ 75-12366 ^B		75-N-505
B?	⑩ 75-12366	④④	
wreck? B	⑪ 75-12641	N6	
? B	⑫ 75-12641	N7	
?	⑬ 75-12641	N8	

2-25-76

Gel right side up

11:30 AM 300 V 53 mA - 1/2° C plate

A	① Mary Jane Burton	A
B	② E. Nieuwenhuis	B
BA	③ Joyce Poole	BA
CB	④ David O'Neil	CB
BA	⑤ Gina Demas	
CB	⑥ 75-14488	③
CB	⑦ 75-14488	④
BA	⑧ 75-15932 Henry Myrick (EDR)	
BA	⑨ 75-12366, 75-N-505	⑤
B	⑩ 75-12366	④④
B	⑪ 75-12641	N6
B	⑫ 75-12641	N7
BA	⑬ 75-12641	N8

2-1-76

Gel right side up

10:05 AM 300V 52 mA
1:37 PM 300V 56 mA

✓ # Note 1-10
Reversed

- BA 16 (1) N-1 Knife ^{handle} B
- 9 (2) N-1 Knife blade B
- SA 8 (3) N-2 blade (weak) -
- 7 (4) N-2 Handle B
- 6 (5) N-3 st# 1 ^{top} shoelaces B
- 5 (6) N-5 st# 2 ^{Apert cap} ~~st# 2~~ ^{worn during assault} ~~st# 2~~ ^{from BA} B
- 4 (7) N-5 st# 2 ^{Denim} ~~wool~~ ^{String} ~~stun~~ B
- 3 (8) (1) V's Hood M E 20-76 B+
- 10 (9) (2) from swab on which Dhadd ⁷⁵⁻¹³⁶¹¹ _{previously been run} BA
- 9 (10) (3) remains of sample from swab -
- 11 (11) N-8 75-12641
- 12 HAJ Karen MJ
- 13 Karen HAJ Karen

2-27-76

Gel upside down

10:45 AM 300V 55 mA
3:22 PM 300V 60 mA

- (1) 75-14488 (1)
- ? (2) 75-14488 (2)
- CB (3) 75-14488 (1)
- CB (4) 75-14488 (3)
- 5? (5) 75-14488 (4)
- CB? (6) 75-16806 (9) cotton swab
- A (7) Mary Jane A
- CB (8) Karen Garland CB
- BH (9) 75-10751 (29)
- B (10) 75-10751 (31)
- B? (11) 75-10751 (11) Satin
- ? (12) 75-10751 (7)
- B? (13) 75-10751 (23)

2-2-76

Get upside down

9:50 AM 300 V 50 mA

1:20 PM 300 V 55 mA

① whole blood - V ①

} 75-13962

② Pillow case

③ ⑨ V's whole blood

④ ③ extract from wood

} 75-10592

⑤ ⑤ S's hat

⑥ ⑥ Paper bag

⑦ ⑧ Panties

BA ⑧ 36B

} 75-12366

⑨ 38B

BA ⑩ whole blood

} 75-12566

⑪ From Hall

⑫ window center strip, outside edge

⑫ MJ Kallen

Kallen MJ

2-3-76

Get right side up

10:10 AM 300 V 50 mA

B ① 75-13674 } whole blood

B ② 75-13674 } from Hall

B #9 ③ ① S's denim jacket } ④ V's blood 75-16470

④ ② S's prison jacket } 75-14659

⑤ ⑤ V's blood

⑥ V's blood ①

} 75-15244

⑦ ④ S's blouse

⑧ ⑤ S's robe

B #3 ⑨ ① V's blood

} ① S's denim jacket 75-14659

B ⑩ ③ extract from pan

} 75-16470

BA ⑪ Kallen

B ⑫ Kallen

A ⑬ M.J.

4-76

Hel upside down

4:5 AM 300V 50mA
PM Samples of 300V 55mA

- ① N-3
- ② N-5 Hat } 12641
- ③ N-5 denim jacket
- ④ ② Swab S. bdrom 75-13674
- ⑤ ① Stains on gauze } 75-15260
- ⑥ ② Known blood on gauze w. O.L. }
- ⑦ Swab ① Ken. Br. 75-15259
- ⑧ Swab ② bricks
- ⑨ Duff
- ⑩ MJ
- ⑪ blood crust 75-13577
- ⑫ 75-13544 ①
- ⑬ 75-14502 Cotton Swab
AWFUL

3-8-76

Hel right side up

10:00 AM 300V 45mA
2:30 PM 302V 52mA

- BA ① 75-16908 ①
- BA ② ↓ Victim
- ③ 75-16916 ①A
- ④ ①B
- BA ⑤ ①C
- ⑥ ③#1
- ⑦ ③#2
- ⑧ ③#3
- BA ⑨ ④
- BA ⑩ ⑦C
- ⑪ MJ
- ⑫ Duff
- ⑬ 75-13544

2-12-76

Gel upside down

9:50 AM 215 V 45 mA
to 9:50-12:40 (2 1/2 hr.) w/o coolant
50 46 mA 240 V - coolant rest of time

① (36C)

75-12366

② (36)

③ N-3 Shulace s#1

④ N-5 s#2 cap synth. knit.

⑤ N-5 s#2 cap extract

⑥ N-5 s#2 Shes - swab

⑦ N-3 s#1 Extract

⑧ N-5 s#2 trousers

75-12641

⑨ (4) S's blouse

⑩ (5) S's robe (from back) strong

75-15244

⑪ 75-13674 (8)

⑫ Duff CB

⑬ MJ A

3-15-76

Gel right side up.

9:25 AM 240 V 45 mA
2:00 PM samples off 280 V 50 mA

① paper towel (heavy stain) 75-15653
② Blood crust

def. BA ③ 75-16125 ④ V's whole bl. Hem.

CK? CA ④ 75-17396 ① ext

CA? CA ⑤ ② Syn

⑥ ③ ext

CA? ⑦ Victim

B ⑧ 75-16441 ②

B blur ⑨ 75-17606 ① ext

B ⑩ ② ext sponge

B ⑪ ③ victim

⑫ M J

⑬ Duff

3-19-76

10:20 AM Gel upside down
 3:00 PM Samples off

295 V 45mA
 270 V 50mA

B ① 75-17617 coat

Mo 3rd
 Rnd
 B ② 75-17605 ②
 ↓
 B ③ ④ Victim

B ④ 75-16871 ⑨ ext

B ⑤ ↓ ⑩ victim

B ⑥ ↓ ⑪

B ⑦ ↓ ⑨ bag

B ⑧ 75-16125 ③

B ⑨ 75-17615 ①

B ⑩ ↓ ② Sewals

BA ⑪ Elmer ④

BA ⑫ ↓ ⑩

A ⑬ A

3-25-76

BLUR 1

* Gel right side up
 10:05 AM 340V 45mA
 2:35 PM Samples off
 3:25 PM Samples Read
 ← elev 101 on left side
 ? B ① 75-18249 ③

① ② 75-15260
 ↓
 ③ ② blood on glass C

weak
 Rnd
 ④ 75-18611 Right Pass. Side Floor vacuum-
 looks same filter paper

A ⑤ ↓ R. Pass side Door (Seals)

A ⑥ ↓ under head victim 1/2 sample in
 saline & swatch

⑦ 75-15820 spike Q-1

⑧ ↓ coat Q-4

B ⑨ ↓ shirt Q-2

B ⑩ 75-18718 U's Blood Item 1

B ⑪ ↓ shirt Item 3

BA ⑫ 75-15244 U's Blood

A ⑬ MJ - A

amps - drop - cover held down w/ saline

March 26, 1976

Hel upside-down

11:00 AM Samples on. 340 V 45 mA
43 mA 370 V at 3:45

- B ① 75-17605 ⑤ jacket
- B ② ↓ ⑤ pants
- ③ 75-17615 ① pants
- ④ ↓ ① shirt
- ⑤ ↓ ② sweats
- B ⑥ 75-14093^u B 2 1/2 mos old.
- ⑦ ↓ C
- CA ⑧ 75-18251 ③ Victim
- B ⑨ 75-18461 ① #3
- ⑩ ↓ ② #5
- B ⑪ ↓ ② #6
- ⑫ MJ
- ⑬ Duff

March 29, 1976

Hel right side up

9:45 AM Samples on 300V 30 mA
2:15 PM Samples off 300V 40 mA

- B ① 75-15820 Q-Y s's jacket
- MJ ② Q-1 spike
- Read 3:00 B ③ 75-18748 ① 1/4 whole blood
- B ④ | ② ③ Pillowcase
- B ⑤ ③ 1/2 Robe
- A ⑥ 75-18611 ⑥
- A ⑦ ↓ ⑦ cotton swab
- A ⑧ ↓ ②
- CA ⑨ 75-18251 ② use all
- CA ⑩ ↓ ③
- ⑪ 75-17615 ①
- ⑫ ↓ ② cotton swab
- ⑬ MJ

April 5, 1976

off 4:00
read 4:45

all upside down

1 samples on 300V 30mA

4 PM 300V 15-20mA (jumpy)
bridge not overlapped for energy

- B ① 75-18445 ① cotton swab
- ② tissue
- ③ couch cover
- ④ slacks
- ✓ ⑤ syn stretch blouse
- ? ⑥ Victim
- B ⑦ curtains
- ⑧ 75-19285 ①A cotton swab
- CA ⑨ ↓ ①B ↓
- CA ⑩ ↓ ②
- ⑪ ↓ MJ Victim
- ⑫ ~~A~~ Duff? or V's Blood
- ? ⑬ ~~75-19285~~ ↓ blood

New Buffer

April 6, 1976

9:25 samples on 350V 23mA

2 PM 350V 30mA



982125

ESD

2-1

2-1

2-1

1

2-1

2

2-1

0

1

2-1

A ① Louis Alvaro Jr. 4-5-76
75-19285

B ② Octavio Penn 3-23-76
75-18445

2-1 Blue ③ MJ 2-15-76

1 E13 ④ Duff

Shoe Bands BH (B)
2-1 Blue ⑤ Dina 2-13-76 (weak)

2 B ⑥ Don Armstrong

2-1 CB ⑦ L. Karode 3-11-76 Drug OD

0 — ⑧ John Millott (Decomposed)

1 B ⑨ Cynthia Kahol 2-17-76

2-1 B ⑩ ~~Henry M... 2-17-76~~
7519294 ① #2 Blue jean

April 7, 1976

10:40 AM	Samples on	350V	23mA	3:40
3:40 PM	Samples off	350V	28mA	3:30

—	①	74-19284-①	Cotton swab	EsD	2-
A	②	↓	vis Blood (alvis)	2-1	
A	③	MJ		2-1	
CB	④	Duff		—	
BA	⑤	Gina		2-1	
A	⑥	75-19304	Harney (S)	DEF	2-1
SA	⑦	↓	Eyerman (S)	2-1	
B	⑧	↓	Patten (S)	2-1	
EA	⑨	Mark Gloth		Blur	
BA	⑩	Female fetus	①	Blur	

April 8, 1976

11:23 AM	Samples on	400V	28mA	3:30
3:40 PM	Samples off	400V	32mA	

B	①	75-16916	Victim
CB or CA	②	↓	Suspect
P	③	75-19472	Suspect K-1
—	④	↓	A-2 vis jacket
—	⑤	↓	A-3 S's shirt-back
—	⑥	↓	A-2 vis pants
BA or BA	⑦	75-19334	Hazel Roberts
B	⑧	75-19306	Paul Hayward
A	⑨	MJ	A
—	⑩	Metzler 5174	CB

April 9, 1976

3:00 AM Samples on
3:00 PM Samples off

250V 16 mA @ 300
200V 20 mA

CB ① Mr. Michardanti

EsD

B ② 75-16916 Vis. Blood m

B ③ 75-19169 Vis. Blood m

CB ④ Buff CB

CA ⑤ 74-01259 CA

CB ⑥ 75-19119 tissue m

⑦ mg A

⑧ 75-19284 OB catonival m

L ⑨ 75-19310 Vis. Blood m

P ⑩ 75-18904 Vis. Blood m ⑭

No EsD Bands

April 12, 1976

9:30 AM Samples on 300V 42 mA @ 2:00

3:00 PM Samples off 300V 50 mA

3:25 PM EsD on

3:35 PM EsD read

3:55 PM EAP on

4:40 PM EAP read

~~cannot read~~ ① 75-19119 ⑪

②

⑪ more sample

③

③ ext - weaker

④

② ↓ weak

⑤ 75-19310

⑮ cotton swab

⑥

Victim EsD?

⑦ 75-19284

② crust also on mat.

⑧

⑮ cotton swab

⑨

⑮ " "

⑩ mg

* PGM-AK Gel Buffer used to make gel

April 15, 1976

4:35 AM Samples on 300V 18 mA
1:40 PM Samples off 300V 22 mA
1:45 PM EsD on 1155 EsD lead
2:10 PM EAP on 2:55 EAP lead

BA (1) 75-16916 V
CB (2) ↓ S
B (3) 75-19353 (1B)
B (4) (1B)
B (5) (2D)
? (6) (3) cotton swab
BA (7) 75-19860 (4)
BA? (8) ↓ (5)
- (9) ~~CB~~ 75-19310 (18L)
A (10) am of
cotton swab

April 14, 1976

9:30 AM Samples on 300V 22 mA
2:00 PM Samples off 300V 26 mA
2:05 PM EsD on 2:15 EsD lead
2:35 PM EAP on 3:20 EAP lead

off
1:30 pm

B (1) Du Wiecking 4-9-76
B (2) Mike McYue 4-9-76
CB (3) Dave O'Neil CB
B (4) E. Nieuwenhuis 7-19-73 B
A (5) Mary Jane 4-9-76 A
B (6) Jackie Muss 4-9-76
B (7) Vonda Cary 4-9-76
CB (8) Diane Pease 7-19-73
- (9) Regina Fortune 1-24-76
B (10) Dwight Burgess

Note possibly misspelling -
CB are possible B.

April 16, 1976

9:05 AM Samples on 350 V 25 mA
2:05 PM Samples off 350 V 28 mA

- ① 75-18904 ② #4 denim
- B ② #3
- B ③ #2
- B ④ #1
- Blair → ⑤ ⑥ eif
- B ⑥ ⑦ pocket
- B ⑦ ⑧ sign
- ⑧ ⑨ nt book
- B ⑨ ⑩
- A ⑩ A mg (3 pieces)

Gel made thinner

3

April 20, 1976

9:55 AM Samples on 400V 25 mA
2:25 PM Samples off 400V 35 mA
5:30 AM ESD Development
2:50 PM EAP Development

- A ① V's whole blood CME 170-76
- weak U A ② S's raincoat 4ft. 75-20125
- B ③ K-1 S's whole blood
- A ④ K-2 V's whole blood
- weak A ⑤ A-2 V's trousers 75-19472
- ⑥ A-2 V's shirt
- ⑦ A-3 S's shirt back
- ⑧ A-3 S's trousers front
- BA? or B ⑨ ④ V's whole blood 75-20298
- A ⑩ mg.

4.10 min
18 2115

April 19, 1976

10:30 AM	Samples on	350 V	25 mA
3:30 PM	Samples off	350 V	30 mA ^{off (3:30)}
3:35 PM	ESD on		
3:55 PM	EAP on		

- #1
- ① 75-20118 cotton swab
 - A ② 75-19276 ③ denim
 - A ③ ↓ ④ b
 - ④ 75-19285 ①A cotton sub heavy
 - ⑤ ①B cotton sub weak
 - A ⑥ Victim
 - ⑦ ②
 - A ⑧ 75-18611 Victim
 - ⑨ 75-16871 ⑫
 - A ⑩ dmj

* No sample was on #4, 2 pieces or #5 one piece (→ heavy) was moved to #4.

April 23, 1976

10:35am	Samples on	400 V	30 mA
3:15	" off	400 V	30 mA

- #2
- B ① 75-18904 (Banks)
 - BA ② 75-20389 pants
 - BA' ③ 75-20306 apt ①
 - ④ 75-14502 ②
 - B ⑤ 75-18904 ⑩ #1
 - B ⑥ ↓ ⑩ #2
 - BA ⑦
 - BA ⑧ 75-19866 Victim
 - CB ⑨ CB Karen Pauland
 - A ⑩ A mg

④③⑦⑧⑩ 3 bands

April 21, 1976

10:55 AM Samples on 350V 20mA
3:40 PM Samples off 350V 25mA
3:45 PM EsD Development
4:05 PM EAP Development

① ① V's sweatshirt } 75-20298

② ② S's shirt collar } ✓

③ ① V's whole blood

④ ① ⑧ Handker 75-20125 ✓

⑤ G-1 Knife extr }

⑥ S's trousers front Q-3 } 75-19172

⑦ S's shirt rt. sleeve Q-3 } ✓

⑧ 75-18748 Sheet ✓

⑨ 75-18748 Sheet Pillowcase

⑩ MS

New Buffer

April 22, 1976

10:10 AM Samples on 350V 20 mA
3:20 PM Samples off 350V 25 mA
3:27 PM EsD on
3:45 PM EAP on

B-① Everett Nieuwenhuis 7-19-73

^{EAP}
B-② Don Armstrong 3-76

A-③ MG A 4-9-76

B-④ 75-20499 Bike Rider 4-20-76

B-⑤ Mike McKee 4-9-76

B-⑥ Parker Sneed 75-20426 4-16-76

CB-⑦ Karen Barland (CB)

B-⑧ Myrtle Christian 1-24-74

B-⑨ Gina 2-13-76

B-⑩ Joan Faunce 12-3-74

April 27, 1976

10:25 Samples on 400V 25mA
 11:25 Samples off 400V 30mA
 11:27 EsD Development
 1:45 EAP Development

#1
 CB ① 75-20306 est
 ② 75-20399 ④ est (very weak)
 BA ③ 75-14502 ⑤
 B ④ 75-20588 ⑥
 BA ⑤ ⑦ D
 B ⑥ ⑧ E
 B ⑦ ⑨ F
 B ⑧ ⑩ G
 A

April 28, 1976

8:30 AM Samples on 400V 35mA
 12:30 PM Samples off 400V 25mA
 12:35 PM EAP Development (1:20 Read)

#2
 B ① 75-20588 ④ est
 ↓
 B ② ⑤ est
 CB ③ 75-21036 ⑧
 CB ④ 75-20900 ①
 P ⑤ ②
 ↓
 ⑥ ③
 ⑦ ④
 B ⑧ ⑤
 B ⑨ ⑥
 A ⑩ MS
 BA ⑪ 75-14502 Victim
 B ⑫ 75-21036 ① #1
 A ⑬ ↓ ③ "

April 29, 1976

10:10 AM Samples on 350V 40mA
2:25 PM Samples off 360V 40mA

- ① 75-20900 ①
- BA ② ②
- ③ ③
- ④ ④
- BA ⑤ ⑤
- B ⑥ ⑥
- A ⑦ M.J.
- CB ⑧ 75-21036 ① #2
- CB ⑨ ② #3
- CB ⑩ ②
- B ⑪ ③ #1
- ⑫ ③ #3
- ⑬ ~~⑧ #1~~

April 30, 1976

11:45 samples on 360V 35mA
3:45 samples off 350V 42mA

- ① ⑬ ^{collected} S's Slacks 75-20125 -
- B ② ⑦ V's whole blood 75-21073 ✓
- ^{handy} B ^{or CB} ③ V's blood CME } 75-20590 ✓
- CB ^{or B} ④ ③ Swab scene
- B ⑤ ② collar S's shirt 75-20295 ✓
- ⑥ S's shirt Q-3 - ~~collar~~ } 75-19972 ✓
at sleeve
- A ⑦ V's blood K-2
- ⑧ Q-3 S's shirt back
- B ⑨ Q-3 S's trousers - back ^{meat}
- A ⑩ Q-2 V's shirt
- ⑪ Q-3 S's trousers front
- A ⑫ M.G.
- CB ⑬ ~~lower / 0~~

May 3, 1974

8:55 am Samples on 350V 38mA
 12:55 pm Samples off 350V 40mA
 1:00 pm EAP Development
 2:00 Read

- | | | | |
|----|------|----------|--------|
| CB | (1) | 75-21036 | (3) #2 |
| - | (2) | | (3) #4 |
| - | (3) | | (4) |
| CB | (4) | | (2) |
| R | (5) | | (3) #3 |
| | (6) | 75-20900 | (1) |
| B | (7) | | (2) |
| | (8) | | (3) |
| B | (9) | | (4) |
| A | (10) | MJ | |
| CB | (11) | 75-20900 | (5) |
| B | (12) | | (6) |
| CB | (13) | CB | |

May 4, 1974

10:20 am Samples on 350V 20mA
 3:20 pm Samples off
 3:30 EAP Development

- | | | | |
|-----|------|----------------|------|
| | EsD | | EAP |
| 2-1 | (1) | Dave O'Neil CB | CB B |
| 2-1 | (2) | MJ | A |
| 2-1 | (3) | Don Armstrong | B |
| 2-1 | (4) | Kina | BI |
| 1 | (5) | EsD | CB |
| 2 | (6) | EsD 2 | B |
| 2-1 | (7) | EsD 2-1 | CB? |
| - | (8) | Karen Garland | CB |
| 2-1 | (9) | Mike McKee | B |
| 2-1 | (10) | Paul Mason | CB? |

May 5, 1976

9:55 am Samples on 350V 20 mA
2:10 pm Samples off 350V 28 mA

ESD

EAP

- 2-1 ① Joan Saunce
- 2-1 ② ~~Myrtle Christian~~ ESD 2-1
- 2-1 ③ Mike McGee
- 2-1 ④ Gina
- 1 ⑤ ESD 1
- 2-1 ⑥ ~~Ed Elliott~~ Mary Jane
- 2 ⑦ ESD 2
- 2-1 ⑧ Dr. Fiero
- 2-1 ⑨ Dr. Winking
- 2-1 ⑩ Linda Hedges

May 6, 1976

9:55 am Samples on 350V 20 mA
2:20 pm Samples off 360V 25 mA
2:30 pm ESD Development
2:55 pm EAP Development

- ① Cecil - - - EAP
- - - - - B
- ② Myrtle Christian - - - 1
- - - - - B
- 2-1 ③ Tom Enehart 2-1 1 2 B
- 2-1 ④ Donald Cook - - - B
- 2-1 ⑤ Ed Elliott - - - A
- 2-1 ⑥ Watkins Downs 75-21658 - - - CB
- 2-1 ⑦ Mark Gloth - - - BA
- 2-1 ⑧ Gene Gumbene - - - BA
- ? 2 ⑨ Bob Edwards (Rerun) - - - -
- 2-1 ⑩ Dr. Siedemann - - - weak CB?

EAP -
very diffuse

May 7, 1976

10:20 AM Samples on 400V 25mA
 2:20 pm Samples off 400V 35mA
 2:25 pm ESD Development
 2:45 pm EAP Development

	ESD				EAP
2-11	①	Joan	5/7/76		BA
strong 2-1	②	Joan	12/3/74		Weak
strong 2-1	③	Joan	9/13/73		Weak
2-1	④	Gina	5/7/76		BA
2-1	⑤	Gina	2/3/76		BA
2-1	⑥	MJ	5/7/76		A
2-1	⑦	MJ	4/9/76		A
2-1	⑧	MJ	8/12/75		A
2-1	⑨	Cecil	5/7/76		B
2-1	⑩	Cecil	4/16/76		—

after 10 min only 3 Bands ESD
 after EAP dev. 5 bands all 2-1's
 Results Blurry

May 8, 1976

9:30 am Samples on 350V 25mA
 2:10 pm Samples off 350V 30mA
 2:15 pm ESD Development
 2:35 pm EAP Development

	ESD				EAP
	①	Joan	5/7/76		BA
	②	Joan	12/5/74		
x	③	Joan	9/15/73		
	④	Gina	5/7/76		BA
	⑤	Gina	2/3/76		
	⑥	MJ	5/7/76		A
	⑦	MJ	4/9/76		A
	⑧	MJ	8/12/75		A
	⑨	Cecil	5/7/76		B
x	⑩	Cecil	4/16/76 (copy)		

After 10 min Development ESD 3 Bands ESD
 after 45 min Development EAP 4 Bands ESD
 Results Blurry.

May 11, 1976

Exp. New
EHP Both sides

New Buffer

May 12, 1976

10:40 am
2:48 pm
3:05 pm
3:10 pm
EsD

Samples on 350V
Samples off 360V
EsDon
EAP Development

25mA
50mA

EAP

11:20 am
3:25 pm
3:28 pm

Samples on 400V
Samples off 400V
EsD Development

34mA
40mA

EsD

EAP

B ① Joan 5-1-76

2-1 2-1

① Joan 5/7/76

BA

A ② mg 5-7-76

2-1 3-1

② mg 5/7/76

A

A ③ mg 8-12-75

2-1 2-1

③ Cecil 5/7/76

B

B ④ Cecil 5-7-76

?

④ EsD 1

BA

⑤ EsD 1

2 2

⑤ EsD 2

B

B ⑥ EsD 2

⑥ 75-20590 vis Blood

B

B ⑦ 75-20590 Vis Blood

⑦ ↓ ③ (swab)

-

- ⑧ ↓ ③ cotton swab

⑧ 75-21073 RH (swab)

-

- ⑨ 75-21073 RH cotton swab

⑨ ↓ ⑥ (swab)

-

- ⑩ ↓ ⑥ cotton swab

2-1

⑩ 75-22038 Burner

Awful!

May 13, 1976

9:50 am Samples on 400V 33mA
 12:55 pm Samples off 400V 35mA
 1:03 pm EsD Development
 1:17 pm EAP Development

			EsD
	- ①	75-22047 (5)	2-1
Surv	{	- ②	75-21690
		B ③	75-21487 (Green)
		B ④	75-21036
	CB ⑤	75-22047	—
	BA ⑥	EsD 2-1	2-1
	BA ⑦	Joan	—
	A ⑧	MJ	①?
	B ⑨	Lucie	2-1
	B ⑩	P.D.	2-1

May 14, 1976

EAP ↑

9:50 Samples on 360V 33 mA
 1:50 Samples off 360V 36 mA
 2:12 EAP & Collop. in P.

			EsD
	BA ①	Duane, J. weather 5/13/76	2-1
	CA ②	Robert Eubanks 5/13/76	1
	BA ③	Larry Floyd 5/13/76	2
	B ④	William Russell 5/13/76	1
	B ⑤	David Locker 5/13/76	1
	BA ⑥	David Simpson 5/13/76	1 1
	CA ⑦	EsD ₃	1
	BA ⑧	EsD ²⁻¹	2-1
	B ⑨	Norm Miller 5/13/76	1
	BA ⑩	Lloyd Lyon 5/13/76	1

Decregard
 reviews
 V.D.
 good

Monday May 17, 1976 EAP ↓

9:00 am Samples on 360V 35 mA
1:00 pm Samples off 360V 35 mA
1:06 ESD Development
1:25 EAP Development

EAP

ESD

CB ① 75-21690
BA ② 75-22047 ① left 2
CB ③ 75-21687 ① left
- ④ 75-22179 ① handle 1
- ⑤ ① blade left 1
- ⑥ ② 1
- ⑦ ③ pants
- ⑧ ③ shoes (left) 1
A ⑨ 75-21952 ② 1

⑩ BA David Semjson (2x days)

EC split between #5 + #6

Tuesday May 18, 1976 EAP ↑

9:30 am Samples on 360V 35 mA
1:30 pm Samples off 360V 32 mA
1:32 pm ESD Development (142 Road)
2:55 pm EAP Development (3:40 pm road)

SP ① 75-22399 ⑤ 1
BA ② ⑥ 3 1
BA ③ ⑥ 7 1
BA ④ ⑥ 8 1
BA^{CB} ⑤ ⑦ 7 1
B ⑥ Phil 1
B ⑦ Kendrick 1
A ⑧ mg 2-1
B ⑨ 75-21687 ecl. ①
BA ⑩ 75-22047 vis Blood 2

May 19, 1976

9:00 samples on 360 V 30 mA
1:00 samples off 360V 35 mA
1:05 EsD Development
1:30 EAP Development

EAP

A ① 75-22659 (ext) EsD 2-1

② 75-21952 ① ext. med

③ ↓ ③ #2

④ 75-22047 ⑤ tissue 1

⑤ 75-22179 ① blade ext 1

⑥ ① handle 1

⑦ ② 1

⑧ ③ pants 1

⑨ ③ shoes no ext

⑩ mg 2-1 ①

Spongy sponges used for wicks

May 20, 1976

10:10 am samples on 360V 3.3 mA
2:10 pm samples off 360V 20 mA

EsD *

Bluv ① 75-22907 Rines

B ② 75-18445 sis Blood

A ③ mg

CA ④ Eulanks

B ⑤ EsD 2-1

2-1

B ⑥ Norm Jiller

BA ⑦ Floyd

2

B ⑧ Kendrick

B ⑨ Phil

BA ⑩ Joan

cannot tell ... from ...

May 21, 1976

9:07 am Samples on 400V 35 mA
 1:07 pm Samples off 400V 42 mA
 1:13 pm ESD development
 1:35 pm EAP Development ESD

A	①	75-22407	Rainie	1	(2-1?)
B	②	75-18445	S's Blood	1	
A	③		MJ	1	
CA	④		Eubanks	1	
EA	⑤		EsD 2-1	2-1	
ES	⑥		Norm Siller	1	
BA	⑦		Floyd	2	
B	⑧		Kendrick	1	
B	⑨		Phil	1	
BA	⑩		Joan	1	

* des. necessary to run 2-1
 return to dig. before 21st
 3:35 run

May 26, 1976

10:20 Samples on 400V 35 mA
 2:20 Samples off 400V 39 mA
 2:22 ESD Development
 2:35 EAP Development read 3:20

					<u>ESD</u>
* B	①	75-23280	S's blood	1	
			↓		
* B	②		swab	1	
B	③		sheet	1	
B	④		Knife ext	1	
-	⑤	75-22785	swab	←	
CB	⑥	75-23173	ext	←	
A	⑦	75-22659		2-1	
B	⑧	75-23279	yellow-cloth	2-1	
			↓		
B	⑨		white cloth	2-1	
BA	⑩	75-23278	towel	1	

* Band under origin within 1 cm

Elk right side up

June 22, 1976

9:40 AM Samples on 400V 40mA
 1:40 PM Samples off 400V 42mA
 1:45 EsD
 2:07 EAP

EAP	BA ①	75-22179	④	EsD	2-1
	LB ②	↓	⑤		1
	③	↓	③ shoes		-
	④	↓	③ pants (weats)		-
	B ⑤	75-24718			1
	BA ⑥	75-21036	(⑩ Painter)		2-1
	B ² ⑦	75-24724	①		2
	CA ⑧	↓	④		1
	BA ⑨	EsD	2-1		2-1
	⑩	Mg	EAP A		1

June 23, 1976
Samp/son

9:20 AM Samples on 400V 35mA
 1:40 PM Samples off 400V 42mA
 1:48 PM EsD development
 2:07 PM EAP development

EAP	B ①	75-25055	①	EsD	BP 1
	B ②	↓	③ #1		BP ?
	B ③	↓	③ #2		BP ?
	④	75-23600	⑩ Vis Blood		2-1
	* ⑤	↓	Back T-shirt ⑨ (Save for ABO)		B- -
	* ⑥	↓	trousers at leg ⑨ (Save for ABO)		B- -
	* ⑦	75-24185 (Jinia)			1
	BA ⑧	75-24184 (Jeffery)			1
	B ⑨	75-24183 (Russell)			1
	A ⑩	Mg			1

B = Blood (positive)
 P = Precipitin (positive)
 - = negative blood

Hel upside down

June 25, 1976

11:05 am Samples on 400V 35mA
3:25 pm Samples off 400V 55mA
3:30 EsD development

EAP			EsD
CB ①	75-23280	④ BP	1
	↓		
CBa' ②		⑤ BP	1
	↓		
CBa' ③		⑥ ^B _{Blood} P	1
CB ④	75-25030	Vis Blood B	1
	↓		
CB ⑤		clot from scene B-	1
BA ⑥	75-25321	Pleural effusion ^B	1
⑦	75-25369	① swab-BP	
	↓		
⑧		④ spread _B	
⑨		⑤ Handkerchief BP	2-1
⑩	mg		1
	75-25369 ↓	② liquid sample BP	

Hel right side up

June 28, 1976

9:50 am Samples on 400V 35mA
2:20 pm Samples off 400V 45mA

EAP			EsD
Bi. ①	75-25491	BP	
②	75-25369	① Swab ^{BP}	
③	75-25369	④ ^{BP} _(see ref) ^{est spread} _{with cloth onto cloth}	
A ④	↓	⑤ ^{BP}	
B ⑤	75-24978	Vis Blood	1
BA ⑥	Shirley		1
⑦	75-25321	① Hattie Mae Cousins ^{clot/saline}	1
⑧	75-25352	Vis Blood ⑥ 2-1	
⑨	↓	shirt B- ⑤	
⑩	mg		1

* Samples run 4 1/2 hours at 400V

Eye right side
down up

June 29, 1976 4 hrs.
9:30 Samples on 400V 35mA
1:30 Samples off 400V 40mA

EAP	—	①	75-25321	③	Shirt	E _s D
			↓			
BA	②				Alumal ①	
BA	③				Clot ①	1
	—	④	75-25352		Vis Blood	2-1
			↓			
	—	⑤			shirt	—
CB	⑥				Chester Dalton	1
A	⑦				James Grover 75-25369	1
BA	⑧				Shirley	1
BA	⑨				Gina	1
A	⑩				777	1

July 1, 1976

10:05am Samples on 400V 38mA
2:05pm Samples off 400V 52mA

AWFUL! Why?

EAP	—	①	75-20207	②	T-shirt	B	E _s D		
			↓						
BA	②				Vis shirt	B	2-1		
					③ 75-23600	⑩	Vis whole Blood B 2-1		
					↓				
A	④				②	Bedspread	B 2-1		
A	⑤				↓				
					⑧	Vis PJ's	B		
					⑥	75-25577	⑫	cotton BP	1
								swab-1	
					⑦		⑬	BP	1
					⑧		⑭	BP	1
					⑨		⑮	BP	1
					⑩	777			

Smaller wicks used
(in size, not thickness)

75-20207 ① left cuff B
③, trousers B

get upside down

July 6, 1976

9:35 am Samples on 360 V 45 mA
 1:35 pm samples off 360 V 65 mA
 1:50 EsD development

EAP			EsD
BA (1)	75-20207	(2) T shirt	1
— (2)	↓	(3) Vis shirt	—
A (3)	75-23600	(10) Vis Blood	2-1
A (4)	.	(2) Bedspread	2-1
A (5)		(8) Vis P.J.'s	2-1?
— (6)	75-25577	(12)	1
— (7)		(13)	1
Bl. (8)		(14)	1
— (9)		(15)	—
A (10) mg			1

July 7, 1976

9:50 AM Samples on 360 V 28 mA
 1:50 pm Sample off 360 V 25 mA

TERRIBLE

EAP			EsD
Bl. (1)	75-20207	(2) T shirt	
? Bl. (2)	↓	(3) Vis shirt	
A (3)	75-23600	(10) Vis Blood	2-1
A (4)		(2) Bedspread	
A (5)		(8) Vis P.J.'s	
— (6)	75-25577	(12)	
— (7)	↓	(14)	
B (8)	76-00084	Jacob	
— (9)	76-00131	(5)	
(10) mg			

with paper

July 8, 1976

EAP ↑

10:15am Samples on 400V 30mA
2:15pm Samples off 400V 70mA

EAP			ESD
DA ①	75-20207	② T-shirt	1
	↓		
BA ②		③ Vis shirt	1-2-1
A ③	75-23600	⑩ Vis Blood	2-1
A ④		② Bedspread	2-1
A ⑤		⑧ Vis PJ's	2-1
? ⑥	76-00131	⑤	1
SI ⑦	75-25560	Taylor	1
BI ⑧	75-00078	Coleman	—
Br BA ⑨	75-00084	Jacobs	—
A ⑩	mg		1

Sponex sponge wicks replaced with 2 pieces of 3mm paper on each side.

Good Run.

July 9, 1976

EAP ↓

9:45 AM Samples on 400V 25mA
1:45 pm Samples off 400V 35mA

EAP			ESD
①	75-20207	② T-shirt	1
	↓		
②		③ Vis shirt	2
A ③	75-23600	⑩ Vis Blood	2-1
A ④		② Bedspread	
A ⑤		⑧ Vis PJ's	
⑥	76-00131	Vis Blood	
CB ⑦		③	
CB ⑧		④	
A ⑨	75-25369	⑨ Vis Blood	1
A ⑩	mg		1

one piece of filter paper used for wicks.
Poor Separation

July 12, 1976

11:45 AM 400V 48 mA
 1:45 no cooling 65 mA
 Cooling
 3:50 samples off 400V 55 mA
 EAP

①	76-00131	③	2
②	↓	④	2
③	↓	⑤	1
④	75-25641	③	
⑤	↓	④ pants	1
⑥	↓	④ pocket	1
⑦	75-25369	⑧	
⑧		① swab	
⑨	76-0001321	③	1
⑩	mg		

EsD

July 13, 1976

10:40 AM samples 360V 40 mA
 2:40 PM samples 3600V 50 mA

EAP

EsD

Bar BA ①	①	BP BP BP BP 76-00254 one strand Repair
Bar BA ②	③	
Bar BA ③	①	
weak ④	⑥	
⑤	(75-00253) ⑨	
all 3 beads metal string	⑥ ⑩ (76-00254)	
	⑦ ⑪ (76-00255)	
	⑧ ⑫ (76-00305)	
	⑨ 75-20298 RL. pieces	
A ⑩	mg	

3. Eards

July 20, 1976

4:55 AM Samples on 400V 30mA
 1:30 PM Samples off 400V 50mA

E&D

- | | | |
|------|----------|------------------------------|
| ① | 76-00131 | ③ BP |
| ② | ↓ | ④ BP 1 |
| ③ | | ⑤ BP 1 |
| ④ | 75-25641 | ③ BP |
| CB ⑤ | | ④ BP [?] pants 2-1 |
| CB ⑥ | | ④ BP [?] pocket 2-1 |
| ⑦ | 75-25369 | ⑧ BP |
| B ⑧ | 75-00321 | Victim BP 1 |
| ⑨ | | ③ BP 1 |
| ⑩ | am j | 1 |

Summary)

July 29, 1976

JT
 del upside down

10:45 AM Samples on 400V 18mA
 2:50 PM Samples off 400V 15mA
 100 ml Juice

EAP

E&D

- | | | |
|---|--------------------------|--|
| ① | 75-20207 | ① Sweatshirt BP |
| ② | 7024 75-20298 | ⑤ 5's floor - blood
R.L. Purvis - archive |
| ③ | 76-00190 | ④ cast BP |
| ④ | 76-00131 | ⑤ 76-00254 ⑨ |
| ⑤ | | ④ ⑩ |
| ⑥ | | ③ ⑪ |
| ⑦ | | ⑫ |
| ⑧ | | (liquid sample)
Blood crust |
| ⑨ | Don Armstrong | 7/22/76 1 |
| ⑩ | mg | 7/21/76 1 |

75-20298
 10/15/76

my well separated bands under 5000

July 21, 1976
 up site down
 9:20 AM Samples on 400V 30mA
 off 1:30 PM 400V 40mA

EAP	EsD	①	76-00131	③
		②	↓	④
		③	↓	⑤
		④	75-25369	⑧
		⑤	76-00321	Victim
		⑥	↓	③
		⑦	76-00586	Terry Taggart
CB		⑧		Russell Young
B	2-1	⑨		Charles Stillis
		⑩		M J

July 22, 1976
 Cathode pH 6.8 6.6
 Anode pH 5.8 6.0
 ↑
 Rm temp

9:25 AM Samples on 400V 30mA
 1:45 AM Samples off 400V 40mA

EAP		①	76-00131	③	EsD
		②	↓	④	1
		③	↓	⑤	1
		④	76-00321	Victim	1
		⑤	↓	③	-
		⑥	75-25369	⑧	-
		⑦	76-00729	① BP	1
BA		⑧	↓	②	2-1
		⑨	76-00586	⑩	1
A		⑩	Mg 7/21/76		

July 26, 1976
 7:40 AM 125ml starch - glass strips
 all way across upside down
 400V single 3MM 40 mA
 11:40 AM 400V 43mA

EAP

- | | | | |
|----|---|-----------|--------|
| A | ① | 76-00588 | ③ |
| | | ↓ | |
| CB | ② | | ④ |
| CB | ③ | 76-00586 | 15A |
| CB | ④ | | 15B |
| CB | ⑤ | | 16 |
| BP | ⑥ | 76-00729 | |
| - | ⑦ | 76-000381 | ③ syn |
| | | ↓ | |
| | ⑧ | | Victim |
| - | ⑨ | 76-00131 | ⑤ |
| | ⑩ | mg | |

1 hour development
 EAP development only

NEW 150 F-K - CANON

Right side up

July 27, 1976
 9:05 Samples on 400V 15mA
 1:05 Samples off 400V 22mA
 100 ml starch

EAP

- | | | | |
|---|----------|-----------|-----|
| ① | 76-00588 | ③ BP | EsD |
| | ↓ | | |
| ② | | ④ BP | |
| ③ | 76-00586 | 15A BP | |
| | ↓ | | |
| ④ | | 15B BP | |
| ⑤ | | 16 BP | |
| | ↓ | | |
| ⑥ | 76-00729 | ② BP | |
| ⑦ | 76-00381 | ③ syn BP | |
| | ↓ | | |
| ⑧ | | Victim BP | |
| ⑨ | 76-00131 | ⑤ BP | |
| ⑩ | mg | | |

strips all the way across

AWFUL

July 30, 1976

8:51 AM Samples on 400V 18 mA
1:35 PM Sample off 400V 22 mA

① 76-00588 ③

② ↓ ④

③ 76-00586 15A

④ ↓ 15B

⑤ ↓ 16

⑥ 76-00729 ②

⑦ 76-00321 ③

⑧ ↓ Victim

⑨ 76-00131 ⑤

10) 3A

125 ml starch
Starch all the way across
1 piece of filter paper

Complete 25% ...

Aug 2, 1976

Starch lot #36C-0358

9:25 AM Samples on 400V 15 mA

EAP ↑

1:25 PM Sample off 400V 20 mA

① 76-00588 ③

② ↓ ④

③ 76-00586 15A

④ ↓ 15B

⑤ ↓ 16

⑥ 76-00729 ②

⑦ 76-00321 ③

⑧ ↓ Victim

⑨ 76-00131 ⑤

⑩ mg

100 ml starch (9.5/100 ml)
Starch all the way across on glass end
pH of all buffer is 6.2
1 piece of filter paper

good

August 3, 1976

11 AM	Samples on	400V	18mA	
2:10 PM	Samples off	400V	28mA	
①	76-00588	③ Suspect	EsD	2
②	↓	④ Victim		1
③	76-00586	15A		1
④	↓	15B	2-1?	
⑤		16		1
⑥	76-00729	⑦		2-1
⑦	76-00301	⑧		1
⑧	↓	Victim		1
⑨	76-00131	⑩		1
⑩	17g	Top A band 11.0cm above origin		1

100 ml starch (9.5g/100ml)
 Same tank buffer as yesterday
 1 piece filter paper for wicks
 strips all the way across on glass end
 EAP & EsD developed together
 Top A Band EAP 1.8cm
 EsD band 3.8cm from origin

August 4, 1976

9:15 AM	Samples on	400V	28mA
1:15 PM	Samples off	400V	32mA
EAP			EsD
①	76-00588	③ Suspect	
②	↓	④ Victim	
③	76-00586	15A	
④	↓	15B	
⑤		16	
⑥	76-00729	⑦	
⑧	76-00321	⑨	
⑩	↓	Victim	
⑪	76-00131	⑫	
⑬	17g		

Get buffer 1:50 instead of 1:100
 100 ml starch (9.5g/100ml)
 Same tank buffer as yesterday
 1 piece filter paper for wicks
 strips all the way across on glass end
 EAP & EsD developed together
 Top A Band EAP 1.8cm
 EsD band 3.8cm from origin

EAP
↓

August 5, 1976
7:51 AM sample on 400V 15mA

EAP

E&D

- ① 76-00588 ③ Suspect
- ② ④ Victim
- ③ 76-00586 15A
- ④ 15B
- ⑤ 16
- ⑥ 76-00729 ②
- ⑦ 76-00321 ③
- ⑧ Victim
- ⑨ 76-00131 ⑤
- ⑩ mg

gel buffer 1:150
 100 ml starch
 Same tank buffer as 8/3/76
 1 piece filter paper for wicks
 strips all the way across on glass end
 EAP + E&D developed together
 EAP below origin
 E&D bottom band - 4 cm

Aug 6, 1976
 9:05 AM samples on 400V 85mA
 1:05 PM samples off 400V 100mA

- A ① 76-00588 ③ Suspect
- ② ④ Victim
- B ③ 15A
- B ④ 15B
- B ⑤ 16
- B ⑥ 76-00729 ②
- B ⑦ 76-00321 ③
- B ⑧ Victim
- B ⑨ 76-00131 ⑤
- A ⑩ mg

1:10 Gel Buffer
 100 ml starch
 Same tank buffer as 8/3/76
 1 piece of filter paper for wicks
 strips all the way across on glass end
 EAP + E&D developed together
 EAP top A - 2 cm
 E&D (E&D?) 2 bands

distinct bands

EAP

↑

August 9, 1976

9:00 AM Samples on 400V 20mA

1:00 PM Samples off 400V 26mA

①	76-00588	③ Impsci	2
②	↓	① Victim	1
③	76-00586	15A	1
④	↓	15B	2-1
⑤	↓	16	1
⑥	76-00729	②	?
⑦	76-00321	③	1
⑧	↓	Victim	1
⑨	76-00131	⑤	1
⑩	7mg		1

175 ml buffer
 100 ml starch
 Same tank buffers as 8/3/76
 1 piece of filter paper for wicks
 Run all the way across
 EAP & ESD developed together
 If below wick stop A band 1cm

EAP ↓

August 10, 1976

9:00 AM Samples on 400V 18mA

1:00 PM Samples off 400V 22mA

①	76-00588	③ Suspect
②	↓	④ Victim
③	76-00586	15A
④	↓	15B
⑤	↓	16
⑥	75-20298	RL Purvis
⑦	76-00321	③
⑧	↓	Victim
⑨	76-00131	⑤
⑩	7mg	

1:100 gel buffer
 100ml starch 1276
 Same tank buffers as 8/3/76
 1 piece filter paper for wicks
 Stop all the way across
 EAP & ESD developed together
 brown - 7cm from origin

EAP ↑

August 12, 1976

10:00 AM Samples on 400V 55mA
 2:00 PM Samples off 400V 55mA

EAP	B	①	76-00586	15A	ESP	1	
	B	②		15B			
	B	③		16		1	
	A	④	76-W-0016	① #1			
	A	⑤		① #2			
	B	⑥	75-W-3527	②			
	B	⑦	76-20298	Purvis	1	cannot	
	A	⑧	76-00588	③	2	tell if	
	B	⑨		④	1	2-1 or 1	
	A	⑩	mg		1	can diff the 2	

MAD

1:25 Gel Buffer

100 ml starch

Same tank buffer as 8/3/76

1 piece filter paper for wicks

Strips all the way across on glass

EsD & EAP developed together

Top EAP 2cm

Bottom EsD 3cm

Very distinct bands

- no shrinking from side

almost no depression

EAP - good separation

EsD - poor separation

EAP ↑
New Buffer

August 13, 1976

10:15 AM Samples on 400V 30mA
 2:15 PM Samples off 400V 34mA

EAP	B	①	CS (Chengmatlan)			EsD	1
	B	②	B (Phil)				1
	B	③	④ V's blood (4-15-76) ^{top}			862058	1
	B	④	⑤ S's blood 7-9-76 alcohol				1
	B	⑤	⑤ S's blood 8-9-76 red top				1
		⑥	① V's sweatsh 74-15				
		⑦	② S's shirt				
	BA	⑧	BA (Dina)				1
	A	⑨	76-00588 ③				2
	A	⑩	A. mg				1

11:00 gel buffer

100 ml starch

Tank buffer new adjusted w/ solid Tr Na citrate

1 piece filter paper for wicks

Strips all the way across - glass strip

1/5 anode buffer for EsD

EsD & EAP developed together

top A - EAP 3.2 cm

bottom EsD - 4 cm

EAP good separation

EsD O.K., not great (Readable)

Humidity (bottom) 3.5 cm from top

No Brown spots

Good Run

EAP ↓

Aug 16, 1976

10:50 AM Samples on 400V 22mA
2:50 PM Samples off 400V 28mA

EAP

A	①	76-00588	③ Suspect	E _s D	2
B	②	↓	④ Victim		1
B	③	76-00586	15A		1
weak	④	↓	15B		2-1
	⑤	↓	16		1
B	⑥	75-20298	Parris		1
Bottom weak	⑦	76-00321	③ Victim		1
	⑧	↓	Victim		1
Bottom	⑨	76-00131	⑤		1
A	⑩	mg			1

1:100 gel buffer (100 ml)

1 piece filter paper for wicks
Strip all the way across on glass strips
E_sD + EAP developed together

Top EAP 3cm

Bottom E_sD 4.7cm

Brown spots (weak) 10 cm

Hemoglobin approx. 3.5cm

E_sD EAP good separation

Bands only slightly diffuse

Gel cracked at top

only slight depression

Bad Run

EAP ↓

August 17, 1976

9:10 Samples on 400V 34mA
2:10 Samples off 400V 40mA

EAP

E_sD

A	①	76-00588	③ Suspect	E _s D	2
B	②	↓	④ Victim		1
B	③	76-00586	15A		1
LB	④	↓	15B		?
B	⑤	↓	16		1
B	⑥	76-00729	②		1
B	⑦	76-00321	③ Victim		1
CB	⑧	↓	Victim		1
B	⑨	76-00131	⑤		1
A	⑩	mg			1

1:75 gel buffer

Same buffer as 8/16/76

1 piece filter paper for wicks
Strip all the way across
E_sD + EAP developed together

Top EAP 3cm

Bottom E_sD 4.3cm

Brown spots very faint

EAP separated but diffuse

E_sD separated slightly difficult to read

Med. depression

no cracking at top of plate

August 18, 1976

New Buffer
EAP ↑

9:10 AM	Sampler on	400V	21mA
1:10 PM	Sampler off	400V	38mA
EAP			EsD
A ①	76-00588	③ Suspect	2
CB ②		④ Victim	1
CB ③	76-00586	15A	1
CB ④		15B	2-1
CB ⑤		16	1
C ⑥	76-00729	②	1
- ⑦	76-00321	③	1
- ⑧		Victim	1
- ⑨	76-00131	⑤	1
A ⑩	MG		1

Conditions:

1.00 g/l buffer
New-Buffer (analytical grade chemicals)
1 piece filter paper for wicks
strips all the way across on glass slugs
EAP + EsD developed together

Results:

Top EAP 3.2 cm
Bottom EsD 4.7 cm
Brown spots 9 cm
EAP + EsD good separation
Med. depression
Crack at top of plate
Bands slightly diffuse

August 20, 1976

EAP ↑

12:55 PM
EAP
Sampler on 400V 21mA
Sampler off 400V 35mA
EsD

①	76-02304	①	BP
B ②		②	collon swab-BP
③	76-00690	④	BP
④		⑤	BP
⑤		⑥	BP
⑥	76-00532	⑦	# 2 BP
⑦		⑧	# 1 BP
⑧	76-02153	⑨	collon swab BP
⑨	76-02304	⑩	collon swab BP 1
⑩	MG		

Conditions:

Same as prev.

Comments:

sample # 1 → hemoglobin slow
sample # 3 → very little hemoglobin
sample # 5 → like # 1, not as bad

Results:

Top EAP 3 cm
Bot. EsD 4.7 cm
Brown spots # 1-7 cm # 5-7-9 cm^{total}
Hemoglobin (bottom) 4 cm (MG)
Large depression
Crack at top

Aug 23

9:20 Samples on

400V

35mA

400V

38mA

EAP ↓

B	①	76-02273	⑫ BP	
B	②	↓	⑬ BP	
	③	76-02304	① BP	
B ²	④	↓	② BP	
F	⑤	↓	③ BP	
unmywah	⑥	76-2153	BP	
BA	⑦	76-1857	BP	2-1
BA	⑧	76-00690	V-5B	
B	⑨	↓	S-2 BP	
A	⑩	mg		

Aug 25, 1976

9:10 AM

Samples on

400V

23mA

1:10 PM

Samples off

400V

45mA

EAP ↑

EAP

E&D

	①	76-00690	V-4VP	
B ²	②	76-02304	① BP	
	③	↓	② BP	
B	④	76-02994	① BP	
	⑤	↓	② BP	
	⑥	↓	③ BP	
	⑦	76-02993	① BP	
A	⑧	76-02304	③ mg	1
B	⑨	76-02313	Vecton	1
OB	⑩	K. Maurer		1

CAP ↑

Aug 26, 1976

9:20 AM Samples on 400V 32 mA
 1:30 PM Samples off 400V 40 mA

EAP		EsD
BA ①	76-2990	2-1
A ②	76-2825	
A ③	mg	
CB ④	76-01711	
B ⑤	76-2991	
BA ⑥	Urea	
B ⑦	76-00690	
B ⑧	76-01845	
B ⑨	76-02313	
B ⑩	76-02273	

Results

Top EAP 3.2 cm
 Bottom EsD 4.7 cm

EAP & EsD good separation
 EAP bands diffuse
 no brown spots
 only slight depression

New Buffer
 made w/ 8/13/76

Aug 30, 1976

9:40 AM Samples on 400V 45 mA
 1:45 PM Samples off 400V 60 mA
 EAP EsD

BA ①	76-3149	⑥	1	2-1?
A ②	76-03410	V's Blood	1	
BA ③	76-2990		2	1
A ④	76-2825		1	
A ⑤	mg		1	
CB ⑥	76-01711	*	1	
B ⑦	76-02991		1	
BA ⑧	Urea		1	
B ⑨	76-00690		1	
B ⑩	76-01845		1	
B ⑪	76-02313		1	
B ⑫	76-02273		1	
B ⑬	76-02304	①	1	

Conditions:

- 1* 1:100 gel buffer 150 mL (14.25g/150mL) ^{starch}
- 2* larger plates (larger than cooling platen)
- 3* Gel buffer made w/ triple deionized H₂O
 1 piece filter paper for wick - crooked at 2 x 0.1
- * Ships all the way across on gel
- Tank buffer 8/18/76

Results

⑤ Gel tube thicker
 Top EAP 3.4
 Bottom EsD 5.2
 Med depression, slight pull away from side

EAPP

Aug 31, 1976
12:05 AM Samples on 400V 38mA
2:05 PM Samples off 400V 48mA

EAP

- EsD
- Hy weaker sample
- A ① 76-00190 ③ 5'5" shirt BP
 - A ② 76-00190 ④ Vis cast BP
 - ③ 76-03410 ② towel (ck) B
 - ③ Towel (cur) B
 - ④ ice bucket
 - ⑤ Knife in V's neck B
 - ⑦ Serrated Knife B
 - Rose O'Connor ②6
 - 5'5" shirt ②3
 - 5'5" Blue jeans ②
 - 76-03416 ② 100% B
 - 5'5" shirt ① B
 - ③ mg

5'5" diff

Conditions:

150ml 1:100 gel buffer
large plate
Reg water (deionized)
1 piece filter paper for wick
Strips all the way down a gel
Same buffer 8/18/76

Sept 3, 1976
10:05 AM Samples on 400V 48mA
2:05 PM " off 400V 56mA

- A ① 76-03416 ① BP 1
- ↓
- ② BP 1?
- B? ③ 76-3149 ③ BP -
- BA ④ ↓ ④ BP 1
- ⑤ 76-02155 ⑤ BP 1
- BA ⑥ 76-W 365-95 ① BP bandage 1
- B ⑦ 75W 3492 ① BP wab ?
- B ⑧ 76W 0589 ④ BP 2-1
- B ⑨ 76-02318 ⑥ BP 1
- CB ⑩ ↓ ⑤ BP ? -
- CB ⑪ 76-03523 ① BP 2-1
- A? ⑫ 76-03410 ④ BP 1
- A? diff ⑬ ②3 E BP 3 pieces 1
- ⑭ mg BP 1

Conditions

150ml 1:100 gel buffer
lg plate.
relat same

std deionized
3X deionized by 6
tank tank buffer

EAP ↓
10 AM
2 PM

Sept 7, 1976
400 V 47 mA
400 V 57 mA

B?	①	76-01329	① #65 rope?	
B?	②		③ 10	
?	③		⑥ swab	
CB	④	76-03862	⑩ 2-1	
?	⑤	76-03864	②	
?	⑥	76-03865	① after Hp	
?	⑦	Mg (after Hp)		
?	⑧	76-03864	(after Hp)	
EA	⑨	76-03897	① #1	
?	⑩		① #2	
BA	⑪		② Victim	
?	⑫	76-02993		
A	⑬	Mg		

Same as 9-3 except gel buffer
made with 3x deionized water

3.2 cm top A
4.7 " bottom ESD

EAP ↑

Sept 8, 1976
9:45 AM Sample on 400V 42 mA
1:00 PM sample off 400V 50 mA

EAP				ESD
CB	①	76-03897	① #2	2-1
-	②	76-03862	⑪	-
A	③	76-03523	Victim Haskins	2-1
BA	④	76-03412	C. Turek	
CB	⑤	76-03410	S's blood	⑫
CB	⑥	towel	⑬	
-	⑦	Bucket	⑭ weak	
BA	⑧	glass	⑮	
-	⑨	knife	⑯ weak	
-	⑩	V's shoes	⑰	
-	⑪	POber	⑱	
B	⑫	S's jeans	⑳ 3A	
A	⑬	Mg	(too weak)	

2.8 top EAP
4.4 Bottom ESD

Sept 9, 1976

10:45 AM Samples on 400V 40mA

B B B B B B B B A B A B A	①	76-03410	① Knife blade	1
	②	↓	① Knife handle	1?
	③	S's shirt	(23E) lg stain	1
	④	"	(23E) spots	1
	⑤	↓	S's Blood	1
	⑥		③ towel	1
	⑦		④ Bucket	1
	⑧	Knife	⑦ Knife (serrated)	1?
	⑨	VIS Blood		?
	⑩	poker	⑨ poker	1
	⑪	towel	② towel	1
	⑫	v	②② Vis skirt	1
	⑬	mg		1

Sept. 13, 1976

9:45 AM samples on 400V 40mA
 1:45 PM Samples off 400V 50mA
 EAP EsD

B B B B B B B B A A A A A	①	76-03410	① Knife handle	1
	②		① Knife blade	1
	③		④ ice bucket	1
	④		⑤A Rum bottle	1
	⑤		⑧ Vis shoes	1
	⑥		⑨ poker	1
	⑦		②③A S's jeans	1
	⑧		②③E S's shirt spots	1
	⑨		②③E S's shirt lg stain	1
	⑩		VIS blood	1
	⑪	76-03416	① S's shirt	1
	⑫		② Blood from floor	1
	⑬	mg		1

Sept 14, 1976

10:45 AM Samples on 400V 35mA
2:45 PM Samples of 400V 45mA

from Ken - Referrals

Boi BA (1)	76-03415	(1) V's shirt	BP
Boi BA (2)	↓	(3) S's shirt	BP
Too strong (3)	76-03412	C. Trench	(93) BP
(4)	16	quilt	BP
Too strong (5)	22	V's blouse	BP
(6)	24	quilt	BP
Bi (7)	(50)	car panel	BP
? P (8)	(59)	towel	BP
(9)			
IB (9)	76-03410	(23A)	BP
? BA (10)	↓	(23A)	BP
? BA (11)	76-03412	(74) Juliana's shirt	stain BP
B (12)	(74A)	Juliana's shirt	stain BP
(13)	MG		

Gel plate wrinkled at top

new buffer
Sept 15, 1976

EAP ↑

9:30 AM Samples on 400V 45mA
EAP 400V 52MAESD

— (1)	76-040781	(4)	
BA (2)	76-04030	(24)	←
(3)		(22)	BP
(4)		(14)	BP
(5)		(19)	BP
(6)		(15)	BP
(7)		(17)	BP
(8)		(20)	BP
(9)		(21)	BP
B? (10)	76-04024	Paul	BP
B (11)	76-02994	(7)	←
CB (12)	76-03862	(11)	BP 2-1-
A (13)	MG		

Gel buffer 3x deionized water

↓
Sept 16, 1976 EAP

9:25 AM Samples on 400V 45 mA
1:25 PM Samples 400V 52 mA

BA	①	76-04030	① BP	1
BA	②	↓	⑥ BP	1
-	③	76- 04030 3523	④ B	
A	④	↓	Victemb 3-1?	
BA	⑤	76-04030	②⑤ BP	1
B	⑥	76-03948	① white BP	
B	⑦	↓	① blue X P	
B	⑧		② XBP	
B	⑨		③ BP	
B	⑩	76-03412	⑬ slot quilt B	
BA	⑪		⑭ V.56 brass B	
A	⑫	V-2 mg	⑲ quilt B	
CB	⑬	MJ		
	⑭	76-3897	① #2 X IP	

gel buffer 3x deionized water

↑
Sept 17, 1976 EAP

10:00 AM Samples on 400V 45 mA

	①	76-03897	⑨	1
	②	"	⑦ #2	1
	③	76-03523	④	1
	④	76-W0843	① rivab	1
	⑤	76W0875	"	1
BA	⑥	76 03946	⑮ B	1
	⑦		⑩ B	1
	⑧		⑨ B	1
	⑨		⑭ B	2
	⑩	76-03945	⑩ B	2-1
B	⑪		② B	2-1
B	⑫		⑧ B	2-1
B	⑬	AA	⑨ B	2-1
	⑭	mg		1

1/10 ^{3x} deionized H₂O in gel buffer

EAP
↑

9-20-72

10:00 Samples on 400V mA ⁴⁵ 55
2:00 Samples off 400V 50 mA

EAP			ECD
B	(1) 76-03412	(95) Slight ✓	
BA	(2)	(93) Tape ✓	
-	(3) 2mb - Slight	(10) weak ✓	
BA	(4) V's blouse	(22) weak ✓	
-	(5) V-L.T. neck	(23) weak ✓	
-	(6) car panel	(50) Cotton swab (extract)	
-	(7) Towel - car	(57) ✓	
B	(8) S. Julian's shirt	(14A) stain #2 ✓	
-	(9) S " "	trousers 74A stain #1 B	
-	(10) 76-03411 - V's blouse ✓		
-	(11) pillowcase	(10) B	
-	(12) bottomsh.	(11) No homo - B	
-	(13) mg		
-	(14) mg		

(1)	76-3410	5:0 watch	(25) 76-03410
(2)		5:0 ring	(25) ↓
(3)		76-03412	(95) Slight
(4)		Slight tie	(16)
(5)		V-CT neck	(23)
(6)		Towel	(59)
(7)			
(8)			
(9)			
(10)			
(11)			
(12)			
(13)		mg	

Sept 24, 1976

EAP ↑

11:30 AM samples on 400V 40mA
3:30 PM samples off 400V 45mA
EAP EsD

B	①	Cecil	} 9/24/76	1
A	②	MJ		1
B	③	Wally		2-1
B	④	Don Armstrong		1
BA	⑤	Lina		1
B?	⑥	Phil 9/3/76	14	1
BA	⑦	76-4330	19	1
? B	⑧		22	1
BA	⑨		24	1
A	⑩	76-05024		1
	⑪	76-04392		1
	⑫	76-3412	95	1

All buffers made with dist. water instead of deionized water

Top EAP 2.8
Bot EsD 4cm

Sept 27, 1976

EAP ↓

10:25 AM samples on 400V 40mA
2:30 PM samples off 400V 52mA

EAP			EsD	
B	①	Cecil	1	
A	②	MJ	1	
B	③	Don Armstrong	2-1	
B	④	Don Phil (weird)	1	
B	⑤	Phil say	(2-1) ? Pen	
BA	⑥	76-3412	98	
BA	⑦	Julian	95	
BA	⑧	76-4330	14	
BA	⑨		19	
BA	⑩		22	
BA	⑪		24	
A	⑫	76-05024		
	⑬	76-3412	95 (Hb in vstraps)	

17409 50 10



Oct 5, 1976

10:20 AM Samples on 400V 45mA
2:20 PM Samples on 400V 55mA

—	0	76-03410	25 watch	—
B	2		25 mg	1
—	3	76-03412	10 Sactit	1
—	4		23	1?
—	5		24	—
B?	6		50	—
B?	7		99 Juhun	1
—	8	76-5106	1 ent	—
—	9	76-06214	1	—
C B	10	76-5409	5	1
B	11		6	1
A	12	Mg		1
B	13	Non A.		2?

Oct 4, 1976 (plates)

11:00 AM Samples on 400V 100mA
3:00 PM Samples on 400V 140mA

1 cooling plates	Dist	2 cooling plates	Neon	Dist
B or BA	B	BA	BA	1
B	B	B	B	1
B	B	B?	B?	1?
B	B	B	B	1
B	B	B	B	1?
B	BA	B or BA	BA	2?
—	—	—	—	—
—	—	—	—	—
BA?	B	B	B	—
A	A	A	A	1
B	B	B	B	1
EA	BA	EA	EA	1
B	B	B	B	2-1

73-14014 Suspect 1
76-02304 5
76-04987 3
76-04024 8 left
76-03412 98 Sgaf. B
69 pole shirt B
67 Wavytron B
74A stain #2 B

Mg
Andy
Gina
Non Armstrong

A or B & P
A or B & O

Conclusions:

~~EAP seems unaffected~~

1- Separation seems better on plate run on 2 small cooling plates (small platers not as cool)

Results are equally readable on EAP

Plates are about equal

EAD → under warmer cond. moves up higher

Oct 8, 1976 EAP ↓

9:30 AM Samples on 450V 55mA
 1:10 PM Samples off 450V 60mA
 EAP EsD

A	①	mg	1
B	②	Don Armstrong	2-1
BA	③	Floyd	2
CB	④	Gary Findley	1
BA	⑤	Gina	1
CA	⑥	Robin	2
B	⑦	Everett	1
→ e? CB?	⑧	Type B 10/7/76 decomposed 9-1/2 hrs	?
?	⑨	76-03897	?
-	⑩	① # 1	?
B?	⑪	① # 2	?
BA	⑫	⑨ Victim	1
	⑬		
	⑭		
	⑮		
	⑯		

Samples run at 450 V for 3.5 hours
 fresh samples
 1-7 Bands were distinct and could almost distinguish a' band in CA sample.
 Visible band in most samples about 2.5 cm from origin in direction of cathode.

Oct 15, 1976 EAP ↑
 10:05 AM Samples on 450V 52mA
 2:05 PM Samples off 450V 65mA
 EAP EsD

A	①	mg	1
B	②	Don Armstrong	2-1
BA	③	Floyd	2
CB	④	Gary Findley	1
	⑤	Gina	1
CA	⑥	Robin	2
B	⑦	Everett	1
BA	⑧	76-03897	⑨ Victim
BA	⑨	76-06862	①
BA	⑩		②
BA	⑪		③
BA	⑫		④

Run samples at 450V for 4 hrs.

EAP ↓

Oct 18, 1976

9:35 AM Samples on 450V 58mA
 12:35 PM Samples off 450V 60mA

A	①	MJ	1
B	②	Don Armstrong	2-1
BA	③	Floyd	2
CB	④	Gary Jindley	1
BA	⑤	Gina	1
CA	⑥	Robin	2
B	⑦	Everett	1
BA	⑧	76-03897 V⑨	1
A	⑨	Mardy blood	1
? B	⑩	Larry Jones 76-07020	1
? B	⑪	Wm. Male 07176	1
BA	⑫	William Moon	1

3 hour run

Bands did not travel very far
 Can differentiate between types
 Bands faintly distinct
 Results easier to read at 3.5 hrs.
 top A 4.3 cm

EAP ↑

Oct 19, 1976

9:25 AM Samples on 450V 55mA
 1:00 PM Samples off 450V 65mA

EAP	EsD		
	①	76-06214 -	① BP cotton swab
	②	76-6847	① BP
B	③		③ BP
	④		⑤ BP cotton swab
C nCA	⑤	76-6949	① BP bandaid
CB	⑥	76-6863 -	① BP cotton swab
CB	⑦		① BP
CB	⑧		① BP
CB	⑨		① BP
A	⑩	76-07192	① BP
A	⑪		① BP
A	⑫	MJ	① BP

Oct 20, 1976

EAP ↓

9:50 AM
1:45 PM

Samples on 450V 55 mA
Samples off 450V 62 mA

CA?	1	①	76-6949	bandaid
		②	76-7192	⑮ est Hp, diu, elc,
		③	76-6214	" " " "
BA	1	④	76-6862	Suspect post trans, shirt
		⑤		↓
? CA?	1	⑥		" est cl onto cloth
? CA?	1	⑦	76-7292	paper towel
? CA?	1	⑧	76-6847	⑤
CA	2-1	⑨	B	} Fresh
A	1	⑩	O	
CA	2-1	⑪	B	} 1 day
A	1	⑫	O	
A	1	⑬	A	

Oct 22, 1976

EAP ↑

9:50 AM Samples on 450V 55 mA
1:20 PM Samples off 450V 68 mA

EAP EsD.

	1	①	76-6214	Cotton swab
	1	②	76-06847	⑤
CA	1	③	76-6949	①
H?	1	④	76-7192	⑮
	1	⑤	76-6624	④
E?	1	⑥		⑤ pants
B?	1	⑦		⑤ undershirt
CB	1	⑧		⑥ pants
	2-1	⑨	76-7292	paper towel
		⑩	76-6862	gloves - H ₂ O est ⑤
CA	1	⑪		↓
	1	⑫		shirt gel buffer ⑨
		⑬		↓
			A	bandage ⑥

Oct 25 1976

EAP ↓

9:10 AM Samples on 450V 55mA
12:10 AM Samples off 450V 62mA

EAP EsD

A	1	(1)	76-7192	(22)
B	BA1	(2)	↓	(23)
CC		(3)	76-04024	(11)
CC		(4)	76-7776	(1)
CC		(5)	↓	(2) pens
CC		(6)		(3) shirt
C		(7)	76-6949	(1)
		(8)	76-7292	
		(9)	A	} 4 days
CA	2-1	(10)	B	
CA	2	(11)	AB	
		(12)	O	

Nov 3, 1976

EAP ↑

9:25 AM Samples on 450V 54mA
1:55 PM Samples off 450V 60mA

B/i	(1)	76-7192	(23) P
Blur	(2)	76- 7192	5475 (4) P
OB/i	(3)	76-8169	Victim BP
CB/i	(4)	↓	four + arms BP swab
	(5)	76-7280	Victim
BA/i	(6)	76-8167	(5) BP
B or CB/i	(7)		(10) B
BA/i	(8)		(4a) P
B/i	(9)		(4b) P
/i	(10)		(4c) P
Blur /-	(11)		(6B) P
	(12)		

A

anode at wrong end
polarity revised at 9:55
samples off at 1:55

EAP ↓

November 4, 1976

9:20 AM Samples on 450V 58mA
 9:50 " off 450V 62mA

SRP/ESD

B/1

BHBA/1

-/1

B/1

B/1

B/1

BA/1

A/1

- ① 76-8167 ⑩
- ② ⑥C
- ③ ④B
- ④ ④C
- ⑤ 76-7280 Victim
- ⑥ 76-7856 ⑳
- ⑦ ㉑
- ⑧ ㉒
- ⑨ ㉓
- ⑩ 76-7864 Victim
- ⑪ 76-8440 ①
- ⑫ A

New Buffer
 EAP ↑

Nov 9, 1976

9:55 AM Samples on 450V 35mA
 2:00 PM Samples off 450V 45mA

- ① A } 3 days 1
- ② 0 } 1
- ③ A } 7 days 1
- ④ B } 2
- ⑤ AB } 1
- ⑥ 0 } 1
- ⑦ A } 16 days 2-1?
- ⑧ B } 2
- ⑨ AB } 2
- ⑩ 0 } 1
- ⑪ Ronnie 2-1
- ⑫ Tracy 1

Repeat samples 1, 2, 5, 8, 9,
 with known A

EAP ↓

Nov 10, 1976

~~Good~~ ~~Buffer~~

10:40 AM Samples on 450V 35mA
2:20 PM " off 450V 45mA

EAP ESD

— 1	①	A	} 3 days
— 1	②	O	
— 2	③	AB	7 days
—	④	B	} 16 days
—	⑤	AB	
1	⑥	76-8488	V. S. Blood
BA?	⑦	76-7664	⑭
	⑧	↓	⑫
B?	⑨	76-8746	⑧ Joan
B	⑩	Don Armstrong	
CB	⑪	Gary Jindley	
	⑫	MJ	

Buffer 1

Nov 18, 1976

EAP ↑
new buffer

8:45 AM 450V 65mA
12:15 PM 450V 75mA

ESD EAP

1 B	①	76-8746	Victim
	②	↓	Frank
blue	③	76-9189	wick
1 A	④	76-8440	①
1 A	⑤	↓	⑤ weak
1 A	⑥		③
1 BA	⑦	76-7864	⑫
1 BA	⑧	↓	⑭
1 B	⑨	76-9176	short
blue	⑩	76-7280	victim
1 blue	⑪	↓	⑮ sections?
1 A	⑫	MJ	

Buffer 4

EAP ↓

Nov 23, 1976

7:30 samples on 450V 48mA
Tan shorts - fluctuating
mA

B-weak
B-1
B-1
B-1
A-2-1
A-2-1
B-1
B-2-1
B-1
B-2-1
A-2-1
A-2-1

- ① ~~Shirt~~ Deer
 - ② Jeans 75-7658
 - ③ glass
 - ④ mouldy swabs
 - ⑤ 76-9817
 - ⑥ Victim
 - ⑦ 76-9176 shirt
 - ⑧ Deer 76-7658 ① Shirt
 - ⑨ 76-9138 Victim
 - ⑩ material
- mg

look same

Buffer 5

EAP ↑

Nov 29, 1976

9:25 AM Samples on 450V 48mA
1:30 PM Samples on 450V 58mA

- EAP/ESD
- Blue/Blue ① 76-9441 ① V's blood B?
 - ? Blot ← ② Gauze ②
 - B? / 1 ③ ③ cardboard & glass
 - / 1 ④ 76-8666 swab
 - / 1 ⑤ 76-8744 paper towel
 - B weak / 1 * ⑥ A } 2 days BA 6-11 all samples
 - Blur ⑦ 0 } conc - 2 pieces used
 - No EAP / 1 ⑧ A
 - Nothing ⑨ B smelly
 - C^{ESD} / 2 * ⑩ AB smelly
 - Blur ⑪ 0 smelly
 - A / 1 ⑫ mg

* A' bands but no upper A band

samples 7-11, color remained
in samples after electrophoresis.

Buffer 2

Nov 19, 1976

EAP ↓

10:30 AM

Samples on

450V 58mA

2:00 PM

Samples off

450V 65mA

EAP/ESD

B/T	①	76-8746	Mattie ②
?A/T	②		Frank ⑨
E/I	③		Pocketbook ③
E/I	④		Bedsprad A ②
B/I	⑤		B ↓
B/I	⑥		C ↓
B/I	⑦		D ↓
?B/I	⑧	76-9441	V Blood
	⑨	76-9468	wick
			eft
EB/I			urtin

↓

W

Buffer 3

Nov 22, 1976 EAP ↑

9:15 AM

Samples on

450V 60mA

1:30 PM

450 65mA

EAP	ESD			
B	1	①	76-8746	Mattie ②
		②		Frank ⑨
-Bend	1	③	76-9441	gauze
		④	76-9468	eft
B	2-1	⑤	76-9138	①
B	2-1	⑥		Vitin ⑨
B	2-1	⑦		① material
B	2-1	⑧		④
		⑨		⑤
-Bend	1	⑩		⑦
BA	1	⑪	76-9176	①
A	1	⑫	-mq	

} 1 piece material only

Dec 6, 1976

EAP ↓

9:25 Samples on 450V 50mA
12:55 Samples off 450V 62mA

- (1) 9174
- (2) 9176
- (3) 9910 #1 sealed
- (4) left
- (5) 9910 #2 sealed
- (6) left
- (7) 9910 #3 sealed
- (8) left
- (9) 9910 #4 sealed
- (10) left
- (11) 9910 #5 sealed
- (12) left
- (13) 9910 #6 sealed
- (14) left
- (15) 9910 #7 sealed
- (16) left
- (17) 9910 #8 sealed
- (18) left
- (19) 9910 #9 sealed
- (20) left
- (21) 9910 #10 sealed
- (22) left
- (23) 9910 #11 sealed
- (24) left
- (25) 9910 #12 sealed
- (26) left
- (27) 9910 #13 sealed
- (28) left
- (29) 9910 #14 sealed
- (30) left
- (31) 9910 #15 sealed
- (32) left
- (33) 9910 #16 sealed
- (34) left
- (35) 9910 #17 sealed
- (36) left
- (37) 9910 #18 sealed
- (38) left
- (39) 9910 #19 sealed
- (40) left
- (41) 9910 #20 sealed
- (42) left
- (43) 9910 #21 sealed
- (44) left
- (45) 9910 #22 sealed
- (46) left
- (47) 9910 #23 sealed
- (48) left
- (49) 9910 #24 sealed
- (50) left

Dec 10, 1976

EAP ↑

9:50 Samples on 450V 50mA
1:20 Samples off 450V 62mA

- (1) 9174
- (2) 9176
- (3) 9910 #1 sealed
- (4) left
- (5) 9910 #2 sealed
- (6) left
- (7) 9910 #3 sealed
- (8) left
- (9) 9910 #4 sealed
- (10) left
- (11) 9910 #5 sealed
- (12) left
- (13) 9910 #6 sealed
- (14) left
- (15) 9910 #7 sealed
- (16) left
- (17) 9910 #8 sealed
- (18) left
- (19) 9910 #9 sealed
- (20) left
- (21) 9910 #10 sealed
- (22) left
- (23) 9910 #11 sealed
- (24) left
- (25) 9910 #12 sealed
- (26) left
- (27) 9910 #13 sealed
- (28) left
- (29) 9910 #14 sealed
- (30) left
- (31) 9910 #15 sealed
- (32) left
- (33) 9910 #16 sealed
- (34) left
- (35) 9910 #17 sealed
- (36) left
- (37) 9910 #18 sealed
- (38) left
- (39) 9910 #19 sealed
- (40) left
- (41) 9910 #20 sealed
- (42) left
- (43) 9910 #21 sealed
- (44) left
- (45) 9910 #22 sealed
- (46) left
- (47) 9910 #23 sealed
- (48) left
- (49) 9910 #24 sealed
- (50) left

Dec 20, 1976

EAP ↓

10:15 AM Samples on 450 V 50 mA
1:45 PM Samples off 450 V 60 mA

EAP	ED		
BA	2-1	①	76-11812 (4) Pre-tension
B?	1	②	(1) post-tension
	1	③	(2) adjacent
	2	④	(3)
	2	⑤	(3)
		⑥	(2)
	1	⑦	76-11827 Surfaint
		⑧	12.4
	1	⑨	76-11891
	1	⑩	76-11894
	1	⑪	6-10865 (2)
		⑫	10.2

Dec 21, 1976 EAP ↑

8:50 AM Samples on 450 V 58 mA
12:20 PM Samples off 450 V

BA	1	①	76-11895 pre-tension
BA	1	②	76-11895 post-tension
CA	1	③	76-11895 1st
B	1	④	76-11895 2nd
B	1	⑤	76-11293 Victor
BA	2-1	⑥	76-11896 (4) well
BA	2	⑦	76-11812 (3) well
B	1	⑧	76-11292 1st
B	1	⑨	76-11292 2nd
B	1	⑩	76-11292 3rd
B	1	⑪	76-11292 4th
B	1	⑫	76-11292 5th

mg

Dec 29, 1976

EAP ↓

9:05 Samples on 450V 60mA
12:35 Samples off 450V 65mA

EAP ESD

BA	1	(1)	76-11290	(1)
L	1	(2)	76-11555	(3)
BA		(3)	76-11293	(15)
BA		(4)	76-11812	(16)
BA	2-1	(5)	↓	(18)
BA	2-1	(6)	↓	(20)
BA	2-1	(7)	↓	(21)
BA	2-1	(8)	↓	(29)
A	1	(9)	76-12234	(2)
C ⁿ		(10)	76-11555	(3)
C ⁿ		(11)		(4)
A	1	(12)	MS	

Dec 30, 1976

EAP ↓

9:15 AM Samples on 450V 65mA
12:45 PM " off 450V 69mA

1	CA	(1)	76-11555	(3)	1 piece
1	CA	(2)		(4)	1 piece
1	CA	(3)	↓	(3)	2 pieces
1	CA	(4)		(4)	2 pieces
1	B	(5)	76W/360	(12)	Swab
1	B	(6)	↓	(14)	
		(7)	76W 2046	(1)	
1	BA	(8)	76W 0875		
1	CA	(9)	76-12397	(9)	Vertini
1	CA	(10)		(4)	
1	CA	(11)		(7)	
1	A	(12)	MS		

* Clearer than (1) & (2)