

REF: FS 95/444

DEPARTMENT OF HEALTH  
 FORENSIC BIOLOGY LABORATORY  
 DIVISION OF ANALYTICAL LABORATORIES  
 JOSEPH STREET  
 LIDCOMBE

24 January 1996

**RE: Alleged Murder of Ken BRENNAN**

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I, Michele Anne FRANCO,

hereby certify as follows:

- (1) My scientific qualifications are Bachelor of Science from the University of New South Wales.
- (2) The following items in connection with this matter were received on the twenty-eighth day of June, 1995, from Mr. G. Allen, courier of East Sydney Crime Scene Unit.
- |     |                                       |   |         |
|-----|---------------------------------------|---|---------|
| 1.  | Blood                                 | ) |         |
| 2.  | Oropharangeal swab and smear          | ) |         |
| 3.  | Rectal swab and smear                 | ) |         |
| 4.  | Fingernail clippings                  | ) |         |
| 5.  | Hair from left hand                   | ) | E 50419 |
| 6.  | Hair from right hand                  | ) |         |
| 7.  | Vertebral marrow                      | ) |         |
| 8.  | Skeletal muscle                       | ) |         |
| 9.  | Blood -                               |   | NP215   |
| 10. | Blood -                               |   | NP214   |
| 11. | Blood -                               |   | NP189   |
| 12. | Condom No. 3                          |   |         |
| 13. | Towel                                 |   |         |
| 14. | Swab No. 1 - nth side of bedroom door |   |         |
| 15. | Swab No. 2 - nth side of louvre door  |   |         |
| 16. | Swab No. 3 - east side of hallway     |   |         |

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17. Swab No. 4 - near phone plug - eastern wall of hallway
18. Swab No. 5 - kitchen floor
19. Swab No. 6 - east side of counter above dishwasher
20. Swab No. 7 - west wall of main bedroom
21. Swab No. 8 - N/W wardrobe door
22. Swab No. 9 - western side of eastern wardrobe
23. Kitchen knife blade
24. Hair from main bed
25. Drain water - kitchen sink
26. Drain water - bathroom
27. Underpants - main bedroom
28. Frying pan

On the twenty-sixth day of July, 1995, the following further items in connection with this matter were received from Mr. G. Allen.

29. Pubic Hair )
30. Head Hair ) **NP215**

31. Pubic Hair )
32. Head Hair ) **NP214**

33. Pubic Hair )
34. Head Hair ) **NP189**

On the twenty-second day of August, 1995, the following further items in connection with this matter were received from Mr. G. Allen.

35. Head Hair - E 50419
36. Condom No. 1
37. Condom No. 2

(3) These items have been examined with the following results:

Human blood was detected on items 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 27 (Area 1) and 28.

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Grouping tests were carried out on the blood, along with the blood samples (items 1, 9, 10 and 11) from Ken BRENNAN, NP215, NP214 and NP189 respectively. The results are as follows:

ITEM	Blood Grouping System		Approximate occurrence in the general population
	PGM	Gc	
1. Blood - BRENNAN	2+1+	1F-1S	1 in 28
9. Blood - NP215	2+1+	1S	1 in 13
10. Blood - NP214	1+1-	2-1S	1 in 19
11. Blood - NP189	1+1-	1S	1 in 17
13. Towel - two areas	2+1+	1F-1S	1 in 28
14. Swab No. 1	2+1+	1F-1S	1 in 28
15. Swab No. 2	2+1+	1F-1S	1 in 28
16. Swab No. 3	2+1+	1F-1S	1 in 28
17. Swab No. 4	2+1+	1F-1S	1 in 28
18. Swab No. 5	2+1+	1F-1S	1 in 28
19. Swab No. 6	*	1F-1S	1 in 6
20. Swab No. 7	2+1+	1F-1S	1 in 28
21. Swab No. 8	2+1+	1F-1S	1 in 28
22. Swab No. 9	2+1+	1F-1S	1 in 28
23. Knife blade	2+1+	1F-1S	1 in 28
28. Frying pan - three areas	2+1+	1F-1S	1 in 28

\* Insufficient

A preliminary or 'screening' test for blood was positive on the oropharangeal and rectal swabs (items 2 and 3) and on the hair from the left hand (item 5).

DNA typing was carried out on the four blood samples (items 1, 9, 10 and 11) and on the following:-

Item 5 Hair (after washing, to remove blood)

Item 27 (area 1). Bloodstain on outside front of underpants.

Item 27 (area 2). A clear, non-seminal stain on inside front of underpants.

The results are as follows:

ITEM	DNA TYPE					
	DQA	LDLR	GYPA	HBGG	D7S8	Gc
1. Blood - BRENNAN	3,4	AB	AA	BB	BB	BC
9. Blood - NP215	1,1,4	*	*	*	*	*
10. Blood - NP214	2,4	*	*	*	*	*
11. Blood - NP189	1,1,2	*	*	*	*	*
5. Hairs - L hand	3,4	AB	AA	BB	BB	BC
27. Underpants - Area 1	3,4	AB	AA	BB	BB	BC
Area 2	1,2,4,2,3	*	*	*	*	*

\* Not Attempted

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I conclude that the hair from the left hand and the blood stain on area 1 of the underpants could have originated from BRENNAN, but not **NP215**, **NP214** or **NP189**. DNA of this type occurs in approximately 1 person in 12,300 of the general population. The DNA from area 2 on the underpants originates from more than one person. The major component of the DNA originates from someone other than BRENNAN, **NP215**, **NP214** or **NP189**.

A spermatozoon was detected on condom no. 1 (item 36).


Semen was not detected on the oropharangeal swab and smear (item 2), the rectal swab and smear (item 3), the condom no. 3 (item 12), the underpants (item 27) or the condom no. 2 (item 37).

DNA testing of two of the condoms, items 36 and 37, was unsuccessful. There were no obvious differences between the hair from the main bed (item 24) and the hair sample from BRENNAN (item 35).

The hair from the right hand (item 6) has been retained and can be analysed at a later date if required.

Blood was not detected in the drainwater samples (items 25 and 26).

The fingernail clippings (item 4) were not examined.

Biologist's Signature: 

Date: 25/1/96

RE FS 95/444

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16 August 1996

ADDITIONAL REPORT  
RE: Alleged Murder of Ken BRENNAN

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