

SNBTS DOCUMENT REQUEST No:

2010/00042

Witness Statement BC 02

Appendix 3b

Typed version Of Hand written Statement

The following document is a recently typed version of the hand written note prepared by B Cuthbertson in November 1983

DRY HEATING OF VIRUS IN FVIII

1. FVIII reconstituted to fill volume
2. 1ml Vaccinia added to 19ml FVIII
1 ml of mumps added to 19ml FVIII (Sheila's Stock)
3. Virus mixtures aliquoted in 2ml amounts
(FVIII control also dispensed)
4. Vials frozen and transferred to D. Pepper for drying.
5. Dried vials were kept at 4°C until heated
6. Vials were heated for 72 hours in incubator set to 60°C or 70°C. Temperature profiles were very poor. Temperatures achieved at different times are appended.
7. Vials were reconstituted to 2mls and assayed.

Results

1. 70°C vials refused to redissolve
2. FVIII results were as follows:
 - a. Held at 4°C – 3.82 u/mL
 - b. Heated at 60°C – 2.28 u/mL
- c. Mumps Assay (0.1ml into slide well – read after 3 days)

Dilution

	-1	-2
+4°C	33, 28 Ave 33	2
60°C/3 Days	0	0

d. Vaccinia Assay (0.1ml into vero wells: read after 3 days)

	Dilution					
	-1	-2	-3	-4	-5	-6
+4°C	TNTC	TNTC	TNTC	54, 61 Ave 57.5	9	2, 6 Ave 4
60°C/3 Days	42, 36 Ave 39	7, 5 Ave 6	2, 0 Ave 1	0, 0	0, 0	0, 0

FVIII HEAT TREATMENT EXPERIMENTTIME/TEMPERATURE MEASUREMENT

INCUBATOR TEMPERATURE		
TIME (hrs)	TARGET 60°C	Target 70°C
0	60	70
2	61	69
6	56	66
21½	57	70
24	61	70
26	62	69
29	59	72
46	62	69
49½	60	71
51½	58	72.5
53	61	68
69½	61	73
72	62	67

Range

56 – 62

66 – 72.5

Mean

60.0

69.6