20th NOVEMBER 1986

EXP NO	DATE	EXPERIMENTAL DATA PRODUCT	DRYING CYCLE	MOISTURE	HEATING	PRE	POST	VIRUS RECOVERY RFU/ML 24	48	72	TOTAL LOG KILL IN HRS POST FO
86-001	28/1	FVIII (NY)	CONSERVATIVE (APPENDIX)	.84 1.37	68°	NS	10^3	<10°	-	-	>3
		FIX	CONSERVATIVE (APPENDIX)	1.24 2.06	68°	NS	<10°				
86-002	14/2	FIX + ANTI THROMBIN					NO RESULTS				
86-003	25/4	FVIII (HP) 130mM NaCl 2.5ml	CONSERVATIVE (APPENDIX)	?	80°	10^5	<10°	-	-	-	5
		230mM NaCl				10^4	10^1	-	-	-	3
86-004	29/5 5ml	FVIII (HP) 130mM	CONSERVATIVE (APPENDIX)	?	80°	10^4	10^1	<10°	-	-	4
		230mM				5×10^4	10^2	<10°			4.7
86-005		FVIII (IP)	CONSERVATIVE (APPENDIX)	ND FVIII RECOVERY	80° 75°	104 "	10^1 "	0 0	ND ND	ND ND	4
86-006		ELSTREE 8YR	ELSTREE	1.91 1.94	80°	5×10^3	0	0	ND	ND	3.7

NS - NOT SAMPLED

Bruce

Summary of FDH experiments 1986.

FVIII — Freeze drying & heating

FDH 86-001

FVIII & FIX

New freeze drying cycle. - Jan 86.

VACC

PFU/ml.

	FIX	FVIII
FD control	1×10^6	2×10^4
68° 24	8×10^4	8×10^5
80 24	4×10^4	2×10^3
80 72	6×10^2	No result FVIII wouldn't dissolve

SLFU

PFU in FVIII

Post FD	$> 10^5$
80° 24h	$< 4.10^1$

P2

FVIII

PFU/ml.

Post FD	10^3
68° 24h	$< 10^{4\frac{1}{2}}$

FDH86-002. 14/2/86.

Freeze drying & heating vaccinia in FIV containing anti thrombin three. Same freeze drying protocol as in FDH 86-001.

	Pfu/ml.
FD control	2×10^6
80° 24	10^1
80° 48	$<10^1$
80° 72	$<10^1$

FDH86-003. 25/4/86.

- FVIII containing high (230mM) NaCl & low (130mM) NaCl.
- 2.5ml full volume.
- conservative freeze drying

	Vaccinia	
	Low Salt	High Salt.
PREFD	3×10^4	$<10^4$
POST FD	4.3×10^4	2.6×10^4
80° 24	10^1	$<10^1$
48	$<10^1$	$<10^1$
72	$<10^1$	$<10^1$

Note vaccinia prep V. low filtred.

FDH 86-003 cont,

H-Simplex - unable to detect live virus in Pre FD or Post FD & Heated samples.

Polio 2

	Full + NaCl at concentrations of 130mM	230mM.
PRE FD	10^5	10^4
Post FD.	$<10^1$	10^1 ?

- Results for this experiment in FDH 86-003 inconclusive requires repeating. - Possible. Freeze drying cycle most important; used unusual full volume
- FDH 86-004. - to be carried out. Repeat of FDH 86003. Vials to be spiked. FD & heated over 22/5 - 2/6.
- Freeze drying & heating of spiked BPL Full using their FD cycle still to be carried out.