NASA Life Sciences Data Archive
Investigator name: Kenneth Souza
Mission (Payload): STS-47 (SL-J)
Experiment title (ID): Effect of Weightlessness on Development of Amphibian Eggs (178256)
File name/Inventory ID: SL-J Post-flight Egg Production Data

Expt. # FLIGHT Frogs

Date 11/12/92

Objective Injection of Flight Frogs Two Month Post FEE/SL-J Launch

Fertilization Test Sheet										Fertilization & Development Data										
Frog #	Tank #	Wt.	Egg Ms. Cons.	Egg Pig.	Last Inj.	Time Inj.	Conc. HCC 2000u/cc	Time Shed	Time Ovip.	Rotation		Cleavage		N-Hatching		Free Swim		Egg Quality		
										No.	%	No.	%	No.	%	No.	%	1	2	3
NASCO 23		79.0			9/13	5:30 P	.45cc	8:30	15	50/50	100	50	100	39	78	39	78	✓		
NASCO 102		104.8				5:30 P		7:30	14	37/37	100	37	100	36	97	36	97	✓		
UCB 118		88.7				5:30 P		8:30	15	44/44	100	42	95	42	95	42	95	✓		
UCB 121		98.0				5:30 P		7:30	14	33/33	100	32	96	32	96	31	94	✓		

Comment Noted: All Flight Frogs Responded To HCG, Ave Ovul. time 14.5 Hrs.
Egg Quality For All Flt. Frogs Is Good With Rotation
and Free Swimming.
Overall Ave. Weight Is 92.6 gm; 93 gm. NASCO Ave. wt. = 91.9 gm; UCB Ave. Wt. 93 gm.
The Adult Females Look Healthy And Very Responsive.