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 FEE Data Sheets

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: NFOG-1

ECU Code: A

ECU Ringers Temperature: 23°C (at opening)

DAI Ratings:

1

2

3

4

5 ~~||||~~ |||

6

7

8

9

10

Number Unfertilized: ~~||||~~ ||

Number Cytolyzed: _____

Total # Specimens: 15

Comments:

melanocytes contracted; ∴ look pale

(2)

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: NF-1G-1

ECU Code: B

ECU Ringers Temperature: 23° (at opening)

DAI Ratings:

1

2

3

4

5 ~~IIII~~

6

7

8

9

10

Number Unfertilized: ~~IIII~~ II

Number Cytolyzed: _____

Total # Specimens: 12

Comments:

Melanocytes contracted to varying degrees

③

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: F-OG-1

ECU Code: C

ECU Ringers Temperature: 23° (at opening)

DAI Ratings:

1

2 |

3 ||

4 |+

5 |▲ ||° |||| ¤ |||

6

7

8

9

10

Number Unfertilized: 3

Number Cytolyzed:

Total # Specimens: 17

Comments:

▲ Flattened d-v as if squashed – prob. dev. between basket & edge of ECU. Heart not beating but looks good/normal

° Tail bent down & to left. Heart not beating. Otherwise looks good/normal

+ Edematous

¤ V. dark. w/ contracted melanocytes @ lateral head (Other 5s have contracted melanocytes & look pale.)

(7)

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: F1G4

ECU Code: D

ECU Ringers Temperature: 24° (at opening)

DAI Ratings:

1

2

3

4

5 1*

6

7

8

9

10

Number Unfertilized: 6

Number Cytolyzed: _____

Total # Specimens: 7

Comments:

* Pale & smaller than other grade 5s seen so far

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: NF-OG-2

ECU Code: E

ECU Ringers Temperature: 24° (at opening)

DAI Ratings:

1

2

3

4

5 |^|□|□||||°||||||||||

6

7

8

9

10

Number Unfertilized: 2

Number Cytolyzed: _____

Total # Specimens: 20

Comments:

^ Head good, tail shortened & bent 135° to R

□ Flattened d-v; prob. stuck between ECU + basket n=2. Dead

° Tail slightly bent (10°) to L

n=2 melanocytes semi-expanded

Note: n=3 removed for Ross

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: F1G1

ECU Code: F

ECU Ringers Temperature: 24° (at opening)

DAI Ratings:

1

2

3

4

5 1^ ||||||

6

7

8

9

10

Number Unfertilized: 5

Number Cytolyzed: _____

Total # Specimens: 13

Comments:

^ Stuck between ECU + basket ∴ flat & dead

n=2 melanoxyted semi-expanded.

Note: n=1 to Ross

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: NF OG-3

ECU Code: G

ECU Ringers Temperature: 24° (at opening)

DAI Ratings:

1

2

3

4 1^

5 ~~||||~~ ~~||||~~ ||

6

7

8

9

10

Number Unfertilized: 1

Number Cytolyzed: _____

Total # Specimens: 14

Comments:

^ Edematous; hard to score on DAI scale

n = ~~||||~~ melanocytes semi-expanded

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: NF1G2

ECU Code: H

ECU Ringers Temperature: 23 (at opening)

DAI Ratings:

1

2

3

4 |+

5 ||+ ||||||||° ||||||||□ |

6

7

8

9

10

Number Unfertilized: 2

Number Cytolyzed: _____

Total # Specimens: 22

Comments: NOTE: 5 tads given to Muriel

Stuck twixt ECU & basket. Flattened, no heart beat but otherwise look normal.

n= ||||| |||| melanocytes semi-expanded.

°

+1 small eye, tail kinked 90° to L

□ = knob in tail:

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: FOG 3

ECU Code: I

ECU Ringers Temperature: 25° (at opening)

DAI Ratings:

1

2

3

4

5 ~~||||~~ ~~||||~~ ~~||||~~

6

7

8

9

10

Number Unfertilized: 0

Number Cytolyzed:

Total # Specimens: 15

Comments:

Note: n=3 to Ross

1 glob of yolk free in H_2O

n= ~~||||~~ ~~||||~~ |||| melanocytes semi-expanded

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: FIG 3

ECU Code: J

ECU Ringers Temperature: 25° (at opening)

DAI Ratings:

1

2

3

4

5 ~~HH~~ III

6

7

8

9

10

Number Unfertilized: 0

Number Cytolyzed:

Total # Specimens: 8

Comments:

Note: n=2 to Ross

n=~~HH~~ melanocyte semi-expanded

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: FOG2

ECU Code: K

ECU Ringers Temperature: 25° (at opening)

DAI Ratings:

1

2

3

4 ||^Δ |^Δ

5 ~~||||~~ ~~||||~~ |||+ ||

6

7

8

9

10

Number Unfertilized: 0

Number Cytolyzed: _____

Total # Specimens: 18

Comments:

Note: n=2 to Ross

^Δ Edematous n=2

+ Tail bent to R ~45°

n=~~||||~~ ||| melanocytes semi-expanded

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: FIG2

ECU Code: L

ECU Ringers Temperature: 25° (at opening)

DAI Ratings:

1

2

3

4

5 \\\\ ^

6

7

8

9

10

Number Unfertilized: 10

Number Cytolyzed: _____

Total # Specimens: 14

Comments:

^ k=1 slender L-R & pale

k= 2 melanocytes semi-expanded

FEE DATA SHEET

Date: 9/20/92

ECU Actual Identification: F0G4

ECU Code: M

ECU Ringers Temperature: 25° (at opening)

DAI Ratings:

1

2

3

4

5 ~~||||~~ ~~||||~~ ~~||||~~[a] ~~||||~~ ||||

6

7

8

9

10

Number Unfertilized: 0

Number Cytolyzed: _____

Total # Specimens: 24

Comments:

[a] Tail kink ~10-15° to R k=2

n = ~~||||~~ ~~||||~~ ~~||||~~ ||
melanocytes semi-expanded

1

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 2.5 OG1

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10

24 N

Number Unfertilized: 7 (5)

Number Cytolyzed: _____

Total # Specimens: 29

Comments:

Vial labeled as "2.5 OG ETOH"

Note: eggs in random orientation indicating no orientation to a g-stimulus had occurred.

(2)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 2.5 OG2

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 19N

Number Unfertilized: 1

Number Cytolyzed: _____

Total # Specimens: 20

Comments:

Unfert saved as "2.5 OG ETOH"

note: eggs in random orientation

3

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 2.5 161

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 24N

Number Unfertilized: 7

Number Cytolyzed: _____

Total # Specimens: 31

Comments:

FEE DATA SHEET

(4)

Date: 9-21-92

ECU Actual Identification: 215 162

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10

20N

Number Unfertilized: 5

Number Cytolyzed: _____

Total # Specimens: 25

Comments:

(5)

FEE DATA SHEET

Date: 9/21/92

ECU Actual Identification: 140G1

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 18N

Number Unfertilized: 4

Number Cytolyzed: _____

Total # Specimens: 22

Comments:

(6)

FEE DATA SHEET

Date: 9/21/92

ECU Actual Identification: 14DG2

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 14N

Number Unfertilized: 7

Number Cytolyzed: _____

Total # Specimens: 21

Comments:

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 14161

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 10N

Number Unfertilized: 10

Number Cytolyzed: 1

Total # Specimens: 21

Comments:

8

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 141 62

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 23N

Number Unfertilized: 8

Number Cytolyzed: _____

Total # Specimens: 31

Comments:

(9)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: SEP 061

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 22N

Number Unfertilized: 3

Number Cytolyzed: _____

Total # Specimens: 25

Comments:

Unfert. eggs came as "SEP 06 HOA"

(10)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: SEP 062

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 ∝ON

Number Unfertilized: 5

Number Cytolyzed: _____

Total # Specimens: 25

Comments:

Unfert. saved as "SEP ØG ETSH"

(11)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: SEP 1 G2

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 26N

Number Unfertilized: 1

Number Cytolyzed: _____

Total # Specimens: 27

Comments:

(12)

FEE DATA SHEET

Date: _____

ECU Actual Identification: SEP 1 G1

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 16N

Number Unfertilized: 3

Number Cytolyzed: _____

Total # Specimens: 19

Comments:

(13)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 22091

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 30N

Number Unfertilized: 2

Number Cytolyzed: _____

Total # Specimens: 32

Comments:

1 not

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: 22161

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 20N

Number Unfertilized: 3

Number Cytolyzed: _____

Total # Specimens: 23

Comments: all developed

(15)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: Ro G1

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 28N

Number Unfertilized: 0

Number Cytolyzed: _____

Total # Specimens: 28

Comments:

28 total

Stg. 45

(16)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: R1G1

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 4n

Number Unfertilized: 8

Number Cytolyzed: _____

Total # Specimens: 12

Comments:
1 tad flattened by eye piece threads

Pg 45

FEE DATA SHEET

Date: 9-24-92

ECU Actual Identification: R1G2

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10 11N

Number Unfertilized: 2

Number Cytolyzed: _____

Total # Specimens: 13

Comments:

Stg 45

(18)

FEE DATA SHEET

Date: 9-21-92

ECU Actual Identification: SPARE/UF

ECU Code: _____

ECU Ringers Temperature: _____(at opening)

DAI Ratings:

1

2

3

4

5

6

7

8

9

10

Number Unfertilized: 95

Number Cytolyzed: _____

Total # Specimens: _____

Comments:

95 eggs Unfertilized eggs for Danielchuk study i.e. Is depigmented spot in geometric center of animal pole