#30

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.v-1 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 145g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 179g

Sacrificed: 5-30

Mass at Sacrifice: 230g

Time Anesthetized: 8:50

Time Processing Completed: 9:05

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.7517 mg	Mass / Viable / Freeze
Heart	.7718 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.1628 mg	Mass / Viable
Liver	7.6070 mg	Mass / Freeze
Kidneys (2)	1.8062 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9888 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right hum. tour clipped (check again)
- * Fluid accumulation around pump

#45

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-3 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 162g

Sacrificed: 5-30

Mass at Sacrifice: 197 g

Time Anesthetized: 9:20

Time Processing Completed: 9:38

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	~~.4258~~ .4129 mg	Mass / Viable / Freeze
Heart	~~.4846~~ .66203 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.5466 mg	Mass / Viable
Liver	6.6653 mg	Mass / Freeze
Kidneys (2)	1.3591 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.7030 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right hum toes clipped
- Spleen dropped on dissecting area.

#33

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.v-5 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 139g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 169g

Sacrificed: 5-30

Mass at Sacrifice: 215g

Time Anesthetized: 9:55

Time Processing Completed: 10:15

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.5260 mg	Mass / Viable / Freeze
Heart	.6947 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.6345 mg	Mass / Viable
Liver	9.6115 mg	Mass / Freeze
Kidneys (2)	1.4217 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8431 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right rear toes clipped

#23

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-7 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 165g

Sacrificed: 5-30

Mass at Sacrifice: 215g

Time Anesthetized: 2:30

Time Processing Completed: 2:50

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.6230 mg	Mass / Viable / Freeze
Heart	.6496 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.6184 mg	Mass / Viable
Liver	7.8786 mg	Mass / Freeze
Kidneys (2)	1.5691 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8620 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- One lymph node dropped on dissecting area.
- Right hum toes clipped

#22

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.C-9 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-14 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 167g

Sacrificed: 5-30

Mass at Sacrifice: 200g

Time Anesthetized: 11:01

Time Processing Completed: 11:15

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.10095 mg	Mass / Viable / Freeze
Heart	.8745 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.5678 mg	Mass / Viable
Liver	7.4722 mg	Mass / Freeze
Kidneys (2)	1.5792 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.7400 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

Right mun toes clipped

#17

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V -11 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 137 g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 174 g

Sacrificed: 5-30

Mass at Sacrifice: 218 g

Time Anesthetized: 11:32

Time Processing Completed: 11:50

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.5883 mg	Mass / Viable / Freeze
Heart	.6950 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.6499 mg	Mass / Viable
Liver	7.5100 mg	Mass / Freeze
Kidneys (2)	1.6209 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8283 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right ~~right~~ hum. toes clipped

#25

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-13 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 135g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 168g

Sacrificed: 5-30

Mass at Sacrifice: 219g

Time Anesthetized: 12:05

Time Processing Completed: 12:020

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.6395 mg	Mass / Viable / Freeze
Heart	.6925 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9003 mg	Mass / Viable
Liver	7.6548 mg	Mass / Freeze
Kidneys (2)	1.6368 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9946 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right hum toes clipped
- ★ Fluid accumulation at pump

#19

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-15 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-16 135g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 169g

Sacrificed: 5-30

Mass at Sacrifice: 218 g

Time Anesthetized: 12:37

Time Processing Completed: 12:50

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.6813 mg	Mass / Viable / Freeze
Heart	.7914 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.1950 mg	Mass / Viable
Liver	7.8449 mg	Mass / Freeze
Kidneys (2)	1.6913 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8516 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right drum toes clipped
-

#27

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-1 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 - wt @ 5-14 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 171g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 242 g

Time Anesthetized: 12:30

Time Processing Completed: 12:45

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.7377 mg	Mass / Viable / Freeze
Heart	.8295 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.8973 mg	Mass / Viable
Liver	11.1050 mg	Mass / Freeze
Kidneys (2)	2.0200 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.7082 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right toes clipped on Hum

#28

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-3 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 wt @ 5-14 146g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 166g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 277g

Time Anesthetized: 1:00

Time Processing Completed: 1:15

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.2915 mg	Mass / Viable / Freeze
Heart	.9546 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.2287 mg	Mass / Viable
Liver	11.6719 mg	Mass / Freeze
Kidneys (2)	2.2781 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9685 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right hum. toes clipped

#36

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-5 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 wt@5-14 139g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 170g w/pump

Sacrificed: 5-29

Mass at Sacrifice: 264g

Time Anesthetized: 10:18

Time Processing Completed: 10:45

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.7815 mg	Mass / Viable / Freeze
Heart	920.0 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1169.2 mg	Mass / Viable
Liver	12.5825 mg	Mass / Freeze
Kidneys (2)	2438.6 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.6833 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

* Fluid accumulation around pump

#3[redacted]9

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-7 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 wt@ 5-14 143g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 162g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 227g

Time Anesthetized: 11:00

Time Processing Completed: 11:17

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.9543 mg	Mass / Viable / Freeze
Heart	.8497 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9752 mg	Mass / Viable
Liver	8.5836 mg	Mass / Freeze
Kidneys (2)	1.8453 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8820 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

• Rights toes clipped – Hum

40

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-9 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 wt@5-14 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 167 g/ pump

Sacrificed: 5-29

Mass at Sacrifice: 257g

Time Anesthetized: 11:28

Time Processing Completed: 11:45

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.8072 mg	Mass / Viable / Freeze
Heart	.8597 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.8185 mg	Mass / Viable
Liver	10.6194 mg	Mass / Freeze
Kidneys (2)	2.1324 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	2.0184 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right toes clipped on hum.

#43

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT - 11 Pump Type (Circle One): (SALINE) IGF-I

Pump Surgery Date: 5-15 wt@ 5-14 149g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 177g w/pump

Sacrificed: 5-29

Mass at Sacrifice: 244 g

Time Anesthetized: 12:00

Time Processing Completed: 12:12

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.6513 mg	Mass / Viable / Freeze
Heart	.9082 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.6731 mg	Mass / Viable
Liver	10.3275 mg	Mass / Freeze
Kidneys (2)	2.1833 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9590 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right toes clipped on hum

#34

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-2 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt@5-14 142g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 174g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 247g

Time Anesthetized: 12:45

Time Processing Completed: 1:00

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.0543 mg	Mass / Viable / Freeze
Heart	.8749 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9814 mg	Mass / Viable
Liver	11.0442 mg	Mass / Freeze
Kidneys (2)	2.4003 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8363 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right Hum. toes clipped

#38

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-4 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt @ 5-14 150g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 186g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 222g

Time Anesthetized: 1:15

Time Processing Completed: 1:30

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.7844 mg	Mass / Viable / Freeze
Heart	.7619 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.8772 mg	Mass / Viable
Liver	7.8678 mg	Mass / Freeze
Kidneys (2)	1.7197 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8391 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right hind toes clipped

#41

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-6 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt@5-14 145g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 179g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 270g

Time Anesthetized: 10:45

Time Processing Completed: 11:00

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.5706 mg	Mass / Viable / Freeze
Heart	1.0797 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.1296 mg	Mass / Viable
Liver	14.4251 mg	Mass / Freeze
Kidneys (2)	2.8435 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9456 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Toes clipped on right side - Hum

#42

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT - 8 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt @ 5-14 141g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 170g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: .267g

Time Anesthetized: 11:17

Time Processing Completed: 11:28

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.5018 mg	Mass / Viable / Freeze
Heart	1.0196 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9442 mg	Mass / Viable
Liver	11.7262 mg	Mass / Freeze
Kidneys (2)	2.6812 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9490 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right toes clipped - Hum

44

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT - 10 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt@ 5-14 149g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 180 g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 261g

Time Anesthetized: 11:45

Time Processing Completed: 12:00

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.3821 mg	Mass / Viable / Freeze
Heart	.9554 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.1791 mg	Mass / Viable
Liver	11.7914 mg	Mass / Freeze
Kidneys (2)	2.2426 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9651 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right toes clipped on hum

#48

IMMUNE.3 Dissection, Flight Animals

RAT #: FLT-12 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-15 wt@ 5-14 149g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 5/18 ~9:00am 181g w/ pump

Sacrificed: 5-29

Mass at Sacrifice: 273 g

Time Anesthetized: 12:12

Time Processing Completed: 12:30

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.4575 mg	Mass / Viable / Freeze
Heart	1.1141 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.1814 mg	Mass / Viable
Liver	12.2966 mg	Mass / Freeze
Kidneys (2)	2.4953 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9620 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Serum blood was taken from the chest cavity (1/2)
- Right toes clipped on hum.

#31

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.v-2 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-1 140g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 173g

Sacrificed: 5-30

Mass at Sacrifice: 210g

Time Anesthetized: 9:05

Time Processing Completed: 9:20

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.8937 mg	Mass / Viable / Freeze
Heart	.6786 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.7879 mg	Mass / Viable
Liver	7.3020 mg	Mass / Freeze
Kidneys (2)	2.0493 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9046 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right hind toes clipped (check again)

#26

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-4 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 139g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 182g

Sacrificed: 5-30

Mass at Sacrifice: 229g

Time Anesthetized: 9:38

Time Processing Completed: 9:55

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.2246 mg	Mass / Viable / Freeze
Heart	.8212 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.0098 mg	Mass / Viable
Liver	8.1903 mg	Mass / Freeze
Kidneys (2)	.20319 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8401 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right hum toes clipped.

#35

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-6 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 143g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 179g

Sacrificed: 5-30

Mass at Sacrifice: 228g

Time Anesthetized: 10:15

Time Processing Completed: 10:30

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.8942 mg	Mass / Viable / Freeze
Heart	.7561 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.8845 mg	Mass / Viable
Liver	8.3805 mg	Mass / Freeze
Kidneys (2)	1.9793 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9573 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right hum toes clipped

#24

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.V-9 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 141g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 171g

Sacrificed: 5-30

Mass at Sacrifice: 227g

Time Anesthetized: 10:50

Time Processing Completed: 11:01

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.2158 mg	Mass / Viable / Freeze
Heart	.7545 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9757 mg	Mass / Viable
Liver	7.6416 mg	Mass / Freeze
Kidneys (2)	2.1814 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9597 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

Right hum tail clipped

#21

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.v - 10 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 142g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 177g

Sacrificed: 5-30

Mass at Sacrifice: 241g

Time Anesthetized: 11:15

Time Processing Completed: 11:32

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.9893 mg	Mass / Viable / Freeze
Heart	.8551 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9749 mg	Mass / Viable
Liver	7.8893 mg	Mass / Freeze
Kidneys (2)	2.2136 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.9494 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

Right hum toe clipped

#7

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V,V-12 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 137g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 176g

Sacrificed: 5-30

Mass at Sacrifice: 218g

Time Anesthetized: 11:50

Time Processing Completed: 12:05

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.8703 mg	Mass / Viable / Freeze
Heart	.7294 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	.9636 mg	Mass / Viable
Liver	6.9065 mg	Mass / Freeze
Kidneys (2)	2.3159 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8750 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right hum. toes clipped

#13

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.v-14 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 135g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 167g

Sacrificed: 5-30

Mass at Sacrifice: 213g

Time Anesthetized: 12:20

Time Processing Completed: 12:37

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	.8858 mg	Mass / Viable / Freeze
Heart	.7129 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.0006 mg	Mass / Viable
Liver	6.7802 mg	Mass / Freeze
Kidneys (2)	1.9864 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.8335 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

*Right hum toes clipped

#16

IMMUNE.3 Dissection, Vivarium Controls @ KSC

RAT #: V.C-16 Pump Type (Circle One): SALINE (IGF-I)

Pump Surgery Date: 5-16 135g

Oxytetracycline: 0.18 ml of 20mg/ml tet = ~ 20mg/kg on 1/19 ~9:00am 170g

Sacrificed: 5-30

Mass at Sacrifice: 250g

Time Anesthetized: 12:50

Time Processing Completed: 1:10

MATERIAL	Mass / Other Comments	Condition
Blood	ml	Viable
Peritoneal Cells	ml	Viable
Thymus	1.2412 mg	Mass / Viable / Freeze
Heart	.8013 mg	Mass / Freeze
Ribs		Fix
Right Tibia		Marrow / Clean / Fix
Right Femur		Marrow / Clean / Fix
Right Humerus		Marrow / Clean / Fix
Bone Marrow--1		Viable
Bone Marrow--2		Viable
Left Tibia	mg	Clean / Mass / Fix
Left Femur	mg	Clean / Mass / Freeze
Left Humerus	mg	Clean / Mass / Freeze
Lymph Nodes		Viable
Spleen	1.0312 mg	Mass / Viable
Liver	6.2194 mg	Mass / Freeze
Kidneys (2)	2.0198 mg	Mass / Freeze
Cranial Bone		Clean / Fix
Brain	1.7863 mg	Mass / Discard
Spinal Column		Clean / Fix

Additional Comments/Information:

- Right Hum toes clipped