See attached form for additional information

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0002

CUSTOMER NUMBER: 1574

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Des Moines University - Osteopathic Medical Center 3200 Grand Ave

Telephone:

(515) 271-1520

Des Moines, IA 50312

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing Animal Care Facility, Building 5, Des Moines University-Osteopathic Medical Center

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEAS	RCH FACILITY ( Attach addition	al sheets if necessary or use APHIS Form 7023A)	
A.  Animale Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in traching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, resourch, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgary, or tasts were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs			64		64
5. Cats			Ö		0
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
0. Sh <del>oo</del> p					
1. Pigs			2		2
2. Other Farm Animals					
3, Other Animals					
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesteric, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

(AUK

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected

4). The attending vereinarian for th	is research facility has appropriate authority to ensure the provision of adequate veterinary car	re and to oversee the adequacy of other aspects of animal care and use.
	CERTIFICATION BY HEAROLIARTERS RESEARCH FACILY	ITY OFFICIAL
SIGNATI		) CATE SIGNED
APHIS FC		10/18/20

See attached form for additional information 2006 Interagency Report Control No.:

1. CERTIFICATE NUMBER: 42-R-0003

CUSTOMER NUMBER: 1575

FORM APPROVED OMB NO. 0579-0038

All redactions on this page are pursuant to (b)(6) & (b)(7)(c)

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Iowa State University 1426 Vet Med Attn:

Telephone:

Ames, IA 50011

(515)294-8507

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBE: OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs	60	385	*658	0	1043
5. Cats	0	41	*310	0	351
5. Guinea Pigs	0	0	* 20	0	20
7. Hamsters	0	80	0	0	80
8. Rabbits	0	95	25	0	120
9. Non-human Primates	0	0	0	0	0
0. Sheep	0	41	62	0	103
1. Pigs	0	40	39	0	79
2. Other Farm Animals					
Cattle	0	128	0	n	128
3. Other Animals					
Brazilian sho	1	0	56	0	5.6
Ferrets	0	2	3		5
Gerbils	0	8	0	0	8

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

DATE SIGNED

APHIS FORM 7023

SIGI

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

( AUG 91 )

\*Totals include 252 dogs, 292 cats and 10 guinea pigs belonging to humane societies. Thesa animals were spayed/neutered and returned to the humane Societies.

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. REGISTRATION NO.

42-R-003

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Iowa State University 1426 Vet. Med.

Ames, Iowa 50011

Attn:

Animals Covered By The Animal Wellare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the leaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.	TOTAL NO OF ANIMA (Cols. C D + E)
(List by species)	purposes.	relieving drugs.	used.	must be attached to this report).	14
lorses	0	14	0	1	7
Goats	0	7	0	0	1
Chinchillas	0	2	0	0	2
ledgehogs	0	1	3	0 .	4
Frags	0	171	72	0	243
Fish	0	60	8	0	68
Turtles '	0	116	48	0	164
Salamanders	0	60	0	0 -	60
			_		
					i

- 1). Professionally acceptable standards governing the care, freatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL.

(Chief Executi	ve Officer or Legall:	y Kesponsible Institutional Official)	
Logarity th	at the above is true course.	t and complete (7.11.5.C. Section 21.43)	

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 42-R-0004 CUSTOMER NUMBER:

1576

FORM A PROVED OMB NO. 0579-0036 arı

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Animal Care Unit University Of Iowa

NOV 16 2000

NOV 29 2000

Telephone: (319)335-7985

lowa City, IA 52242

400 Medical Laboratories

FACILITY LOCATIONS (Sites) - See Atached Listing

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E )
4. Dogs	3		199		199
5. Cats	3	1	125		126
6. Guinea Pigs			39		39
7. Hamsters	75	187	82		269
8. Rabbits	30	20	887		907
9. Non-human Primates	7		9		9
0. Sheep	5		110		110
1. Pigs		3	163		166
2. Other Farm Animals					
3. Other Animals					
Frogs	49	685	78		763
Opossum			19		19
Pigeon	14	18			18

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.Q. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 42-R-0004

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Animal Care Unit University of Iowa 400 Medical Laboratories Iowa City, IA 52242

NOV 2 9 2000

ph# 319/335-7985

# CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY :( TYPE OR PRINT)

RT OF ANIMALS USED BY OF	R UNDER CONTROL OF	RESEARCH FACILITY	(Attach adiditional sheets if nec	essary or use this form.)	
Animals Covered By The Animal Wellare Regulations  12. & OR 13. Other (List by species)	8. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or fests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be affached to this report).	TOTAL NO OF ANIMA (Cols. C D + E)
Gecko	13	36			36
Ferret		130	10		140
					<u> </u>
				-	
					3

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This lacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Type or Print

DATE SIGN

11/27!

### Arnual Report Site Listing:

Gustomer ID and Site Address:

Cust ID: 1576

400 Medical Lab lowa City, IA 52242 County: Johnson Telephone (319)335-7985

Facility Locations:

### College of Medicine:

- Bowen Science Building
- Medical Laboratories
- Oakdale

### College of Liberal Arts:

- Biology Department
- Psychology Department

### All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

This report is required by law (7 USC 2143). Failure to report according to the regulations can result than order (2) cease and desist and to be subject to penalties as provided for in Section 21

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 42-R-0005 CUSTOMER NUMBER: 1577

FORM APPROVED OMB NO. 0579-0036

Atten:

Animal facility Drake University

OCT 19 \_UUL

2507 University Ave.

NOV 1 3 400 (515)271-4933

Des Moines, IA 50311

3. REPORTING FACILITY (L	ist all locations where anim	als were housed or used in	actual research, testing, or experime	intation, or held for these purposes. Attach additional sheets if ne	cessary)
College of f Animal fo			TY LOCATIONS (Sites) - See /	Hoimal Facilite	
REPORT OF ANIMALS	USED BY OR UNDER C	CONTROL OF RESEAR	CH FACILITY ( Attach addition	al sheets if necessary or use APHIS Form 7023A )	0
A.  Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					1
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
0. Sheep					
1. Pigs					
2. Other Farm Animals					
3. Other Animals					
Rata	2544	1272	954		12234
Mice	1400	1050			1050
		1			<u> </u>

- research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official ) I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143 )

SIGNATURE OF OF O OR INISTER MONAMOREIGIAL

INAME . THE OF CEO OF INSTRUMONAL OFFICIAL (Type or Print)

DATE SIGNED 10

APHIS FORM

(AUG 91)

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 42-R-0011 CUSTOMER NUMBER:

1627

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Luther College 700 College Dr 0CT 30 2000

Telephone: (319)387-1559

Decorah, IA 52101

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

Animals Covered By The Animal Welfare Regulations	В.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Ε	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBE: OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs									0
5. Cats									0
6. Guinea Pigs									0
7. Hamsters									٥
8. Rabbits		0		# 0		群 12		0	12
9. Non-human Primates									0
0. Sheep				1 - Communication of the Commu					6
1. Pigs									0
2. Other Farm Animals									0
3. Other Animals									0
			-	TRANSPORT OF THE PARTY OF THE P					
			-		1		-		
ASSURANCE STATEMENT	s								
Professionally acceptionsearch, teaching, 1     Each principal investigations.	otable esting	, surgery, or experime has considered after	entatio nativ <del>e</del>	in were followed by the second of the second	is resi is.	earch facility,		nestetic, analgesic, and tranquilizing drugs, prior to, during, a	·

approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal cal	e and use.
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AP	
	( AUG 91 )

DATE SIGNED
10/24/20
 10/2/4
7 7 .

## Annual Report Site Listing:

Customer ID and Site Address:

Cust ID: 1627

700 Collage Dr Decorah, IA 52101 County: Winneshiek Telephone (319)387-1117

See attached form for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0016

CUSTOMER NUMBER: 1579

FORM APPROVED OMB NO. 0579-0036

4

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Mercy Med Center-Sioux City 801 5th St

Telephone:

(712)279-2156

Sioux City, IA 51102

· ·

FACILITY LOCATIONS (Sites) - See Atached Listing

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.).	TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
I. Dogs	0	6	0	0	6
5. Cats	0	0	0	0	0
S. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
3. Rabbits	0	0	, 0	0	0
9. Non-human Primates	0	0	0	0	0
0. Sheep	0	0	0	0	0
1. Pigs	0	0	0	0	0
2. Other Farm Animals	0	0	0	0	0
3. Other Animals	0	0	0	0	0

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of aniestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

10/31/00

10 10K

All redactions on this page are pursuant to (b)(6) & (b)(7)(c).

### eport Site Listing:

ID and Site Address:

5/9

, IA 51101 loodbury Telephone (712)279-2156

Perry Creek Animal Hospital Inc.

510-W 19<sup>th</sup> St. Sioux City, IA 51104

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 42-R-0019

CUSTOMER NUMBER: 1580

FORM APPROVED OMB NO. 0579-0036 (

#### ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

B // Nobt Inc. Boehringer Ingelheim Vetmedica, Inc. 1568 N Main Ave

Telephone:

(712)722-4696

Sioux Center, IA 51250

3. REPORTING FACILITY ( List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A )						
Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery of tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )	
4. Dogs					,	
5. Cats						
6. Guinea Pigs		178			178	
7. Hamsters						
8. Rabbits		30			30	
9. Non-human Primates						
0. Sheep					1	
1. Pigs						
2. Other Farm Animals						
3. Other Animals						

#### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing grugs, pnor to, curing, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions. this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

( Chief Executive Officer or Legally Responsible Institutional Official ) I certify that the above is true, correct, and complete ( 7 U.S.C. Section 2143)

DATE SIGNED 11/7/60

APHIS FORM 7023

(Replaces VS.FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

sting:

Telephone (712)722-4696

)

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 42-R-0024 CUSTOMER NUMBER: 1581

FORM APPROVED OMB NO. 0579-0036

St Luke's Reg Med Ctr 2720 Stone Park Blvd

Telephone:

MOV 3

Sioux City, IA 51104

(712)277-1581

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.  Animals Covered By The Animal Welfare Regulations	8.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.		Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E )
4. Dogs		<u> </u>							
5. Cats						0			0
6. Guinea Pigs								,	
7. Hamsters	1								
8. Rabbits		į	T				$\top$		
9. Non-human Primates	1	}	T				$\top$		
0. Sheep			T						
1. Pigs	†		T	-	1				
2. Other Farm Animals							<u> </u>		
3. Other Animals									
	T								

#### SSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)							
SIGNAT		OFFICIAL (Type or Print)	DATE SIGNED 10/31/08				
APHIS Fyrm 7020 (AUG 91)	proprietor to contractor (out out, minor is according)						

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 42-R-0026

CUSTOMER NUMBER: 1582

FORM APPROVED OMB NO. 0579-0036

30

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Kirkwood Comm College 6301 Kirkwood Blvd Sw

Telephone:

(319)398-5609

Cedar Rapids, IA 52406

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in beaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of snimals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	animals upon which experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, surgery, or tests. (An experiments, or distress to the animals and for which and for which and for which appropriate anesthetic, in these animals and the reasons such drugs were not used must be attached to this report.).		F.  TOTAL NUMBER OF ANIMALS  (COLUMNS C+D+E)
4. Dogs		2	79.	E	81
5. Cats		7	-30	<del>-</del>	27
6. Guinea Pigs		7		•	7
7. Hamsters	_	8			8
8. Rabbits			4		4
9. Non-human Primates					1
0. Sheep					
1. Pigs					
2. Other Farm Animals					
3. Other Animals					
Ferrets		5			5

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  Legific that the above is true contact, and contacts (71/15.C. Section 2143.)		
SIG		it)	DATE SIGNED
			11/27/00

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0027
CUSTOMER NUMBER: 1583

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Midland Bioproducts Corp 800 Snedden Dr

Telephone:

OCT 10 2000

(515)432-5516

Boone, IA 50036

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	ar br cc he te ex re	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.		Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs		ì							
5. Cats	1	<u> </u>		<u> </u>	1				
6. Guinea Pigs				<del></del>					
7. Hamsters	1		T				T		
8. Rabbits								· · · · · · · · · · · · · · · · · · ·	
9. Non-human Primates	1		1				T		
0. Sheep			T				1		
1. Pigs	1		T				$\top$	<u> </u>	
2. Other Farm Animals	1		T		1	***************************************	1		
Goats		89	T	879					879
3. Other Animals									
Chickens			F	18	<b>T</b>		+		18
	+		T		-		+		+

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED 10/4/200

See attached form for additional information

1617

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 42-R-0029

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Elmira Biologicals Inc. 5514 Elmira Rd Ne

CUSTOMER NUMBER:

Telephone:

(319)643-2275

NOV 6 2000

Iowa City, IA 52240

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animais Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NUMBER OF ANIMALS  ( COLUMNS C + D + E )
4. Dogs					
5. Cats					+
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	3	0			0
9. Non-human Primates					
0. Sheep	52	58			58
1. Pigs					
2. Other Farm Animals					-
Goats 3. Other Animals	3	19			19
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

( Chie	CATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL of Executive Officer or Legally Responsible Institutional Official (by the labove is true, correct, and complete (7 U.S.C. Section 2143)		
SIGNATURE OF O FO OR WOTTH FROM SERVICE		int)	10/30/00
(AUG 91)		<del></del>	N/

## **Annual Report Site Listing:**

Customer ID and Site Address:

Cust ID: 1617

5514 Elmira Rd Ne lowa City, IA 52240 County: Johnson Telephone (319)643-2275

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0030 CUSTOMER NUMBER: 1624

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Veterinary Resources Po Box 866 Wi 10 \_ (

Telephone: (515)233-2349

Ames, IA 50010

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

Animals Covered By The Animal Welfare Regulations  Animals Covered By The Animals  Animals Covered By The Animals the indication of the section of the seaching, research, or surgerly but not yet used involving accompanying pain or distress to the animals and for which the surgerly or tests. Were conducted involving accompanying pain or distress to the animals and for which the surgerly or tests. Animals and for which the surgerly or tests. Animals and for which the surgerly or tests, surgery or tests, were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analyses, or tests were conducted involving accompanying pain or distress. An and the surgerly of tests were conducted involving accompanying pain or distress, or the surgerly of tests were conducted involving accompanying pain or distress to the animals and for which the surgerly or tests were conducted involving accompanying pain or distress, or the surgerly of tests were conducted involving accompanying pain or distress, or the surgerly of tests were conducted involving accompanying pain or distress, or the surgerly of tests were conducted involving accompanying pain or distress, or the surgerly of	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A)					
G. Cats G. Guinea Pigs C. Hamsters C. Rabbits C. Non-human Primates C. Sheep C. Cher Farm Animals C. Cother Farm A	By The Animai	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not	TOTAL NUMBER OF ANIMALS ( COLUMNS
G. Guinea Pigs C. Hamsters C. Rabbits C. Non-human Primates C. Sheep C. Sheep C. C	4. Dogs		18			18
7. Hamsters C C C C C C C C C C C C C C C C C C C	5. Cats					C
3. Rabbits 3. Non-human Primates 3. Non-human Primates 4. Control of the primate	6. Guinea Pigs					C
3. Rabbits C 3. Non-human Primates C 5. Sheep C 1. Pigs C 2. Other Farm Animals C C C C C C C C C C C C C C C C C C C	7. Hamsters					O
0. Non-human Primates  1. Pigs 2. Other Farm Animals  C. C	8. Rabbits					
1. Pigs 2. Other Farm Animals	9. Non-human Primates					
1. Pigs 2. Other Farm Animals C	0. Sheep					C
2. Other Farm Animals	1. Pigs					<del></del>
3. Other Animals	2. Other Farm Animals					<del></del>
3. Other Animals						
	3. Other Animals					

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)  I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)		
SIGNA		nt)	DATE SIGNED

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 42-R-0031

CUSTOMER NUMBER: 1653

FORM APPROVED

OMB NO. 0579-0038

Trans Ova Genetics 2938 380th St

Telephone:

NOV 2 4 2000 :

Sioux Center, IA 51250

(712)722-3586

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

#### FACILITY LOCATIONS (Sites) - See Atached Listing

Animals Covered By The Animal	B. Number of animats being bred, conditioned, or held for use in	C. Number of animals upon which teaching,	D. Number of animals upon which experiments,	E. Number of animals upon which teaching, experiments,	F.
Welfare Regulations	teaching, testing, experiments, research, or surgery but not yet used for such purposes.	research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	beaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NUMBER OF ANIMALS ( COLUMNS C + D + E )
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	· · · · · · · · · · · · · · · · · · ·				
8. Rabbits					
9. Non-human Primates					
0. Sheep					
1. Pigs					
2. Other Farm Animals					
Cattle	56	33	44		7 <b>3</b>
3. Other Animals					

#### **ASSURANCE STATEMENTS**

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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The attending veterinarian for this research facility has appropriate au	thority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects	of animal care and use.
( Chief Ex	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL secutive Officer or Legally Responsible Institutional Official ) at the above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	I NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and cesist and to be subject to penalties as provided for in Section 21

See attached form for additional information.

Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0032

customer number: 1751

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Human Gene Therapy Res 1415 Woodland Ave Ste 218 NON 13 700

Telephone: (515)241-8787

Des Moines, IA 50309

Des Mollies, IA 30309

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Human Gire Therapy Research Inst FACILITY LOCATIONS (Sites) - Soo Atached Listing Des Moines 1A 1415 Woodland Hvenue 50309 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY ( Attach additional sheets if necessary or use APHIS Form 7023A ) D. Number of animals upon E. Number of animals upon which teaching, experiments, A. B. Number of Number of animals upon which experiments research, surgery or tests were conducted involving animals being which teaching teaching, research, surgery, or tests were accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or bred, TOTAL NUMBER research, conditioned, or **Animais Covered** OF ANIMALS experiments, or conducted involving tranquilizing drugs would have adversely affected the held for use in By The Animal procedures, results, or interpretation of the teaching, teaching, testing, tests were accompanying pain or Welfare Regulations conducted experiments, distress to the animals research, experiments, surgery, or tests. (An (COLUMNS research, or involving no pain, and for which explanation of the procedures producing pain or distress C + D + E) surgery but not distress, or use appropriate anesthetic, in these animals and the reasons such drugs were not yet used for such of pain-relieving analgesic, or used must be attached to this report ). tranquilizing drugs were purposes. druas. 4. Dogs 5. Cats 0 6. Guinea Pigs 7. Hamsters Ø 8. Rabbits 9. Non-human Primates 0. Sheep 1. Pigs 2 Other Farm Animals 3. Other Animals

#### ASSURANCE STATEMENTS

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	( Chief Executive Officer or L	ARTERS RESEARCH FACILITY OFFICIAL egally Responsible Institutional Official)	
SIGNATURE OF C.E		ie or Print )	DATE SIGNED
			11-6-00

APHIS FORM 7023 ( AUG 91 )

260-1

See attached form for additional information.

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-R-0001

CUSTOMER NUMBER: 1573

FORM APPROVED OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Diamond An Health Inc 2538 Se 43rd St

Telephone: (515)263-8600

Des Moines, IA 50327-1538

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	В.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analyssic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS
4. Dogs			29	0	33	62
5. Cats			0	169	0	169
6, Guinea Pigs			0	208	0	208
7. Hamsters			2301	0	4838	7/39
8. Rabbits			0	532	0	532
9. Non-human Primates						
0. Sheep						
1. Pigs		<u> </u>	25			25
2. Other Farm Animals						- a-
Cattle		74	562			562
3. Other Animals						1335
Horses			4			4
	+					
ASSURANCE STATEMENT	<u> </u>		l	<u> </u>		8701

#### SURANCE STATEMENTS

(AUG 91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	( Chief Exec	ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official ) the above is true, correct, and complete ( 7 U.S.C. Section 2143 )	
SIGNATURE OF CE O OR WATER HOUSE OF	arrienta I	PANE - TIPE OF OF OR INSTRUMENTAL OFFICE (T. Tint)	DATE SIGNED

Annual Report Site Listing: Customer ID and Site Address:

Viamona riminux Health 42-R-0001

**Cust ID: 1573** 

Telephone

440 170th Ave Carlisle, IA 50047 County: Warren

2538 SE 43rd &r Des Moines, IA 50317-1538

2538 SE43rd à Res Moires

# Optional Column E Explanation Form

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 42-R-0001
2. Number 33 of animals used in this study.
3. Species (common name) Dog of animals used in this study.
4. Explain the procedure producing pain and/or distress.
Un vaccinated dogs were given (challenged with) canine distemper
and parvovirus as part of a study to develop an immune status test.
the reasoning being that annual vaccinations against these viruses
may be unnecessary a potentially harmful. The only way to a etermine it
and the unvaccinated dogs to ascertain that the challenge
was effective. The number above represents the total number
of unvaccinated and challenged dogs.
5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see question 6 below) The basis for the vaccine-chause made are 9CFR
13.306(b) Carino distempor vaccine, we maified this for our study so that
Und dogs were challenged orally a rasally instead of introcorebrally as described
in 1013) and 90FR 113.317 (CX3) Harming marcine (contra)
Evaluating a successful challenge in the unvarinated controls required hat certain criteria of infection be met. These criteria are found in 9CFR 13.30(0(b)(3)(i). In stend of MONTH CONTROL
lineal signo of distemper. For parrovirus we used the criteria of infection four n 9 CFR 113.317(c)(3)(i). The challenged unvaccinated dos are needed to
o. What, if any, federal regulations require this procedure? Cite the agency
the Code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
AgencyCFR
serve as a control group and must exhibit clinical signs

vaccinated doss are protected.

See attached form for additional information. Interagency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE

1. CERTIFICATE NUMBER: 42-R-0009

17/27-6

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NUMBER:

FORM APPROVED 0MB NO. 0579-0036 V

**ANNUAL REPORT OF RESEARCH FACILITY** (TYPE OR PRINT)

Ft Dodge Laboratories 800 5th St Nw

Telephone:

(515)955-4600

Fort Dodge, IA 50501

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

800 5th Stree 2000 Rockford	t NW, Fort De Road, Charle	odge, IA 505 FACIL es City, IA	01 ITY LOCATIONS (Sites) - See 50616 2973	Atached Listing Highway 18 East, Charles Cit	V TA 50616
				al sheets if necessary or use APHIS Form 7023A)	Y, IN 30010
A. Animals Covered By The Animal Welfare Regulations	B. Number of snimals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analysisic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS
4. Dogs	113	312	47	193	552
5. Cats	0	427	288	- 58	773
6. Guinea Pigs	0	922	2,980	0	3,902
7. Hamsters	0	12,813	0	7,095	19,908
8. Rabbits	0	238	737	0	975
9. Non-human Primates	0	0	0	0	0
0. Sh <del>ee</del> p	0	153	0	0	153
1. Pigs	181	559	0	281	840
2. Other Farm Animals Cattle	0	1,088	140	. 20	1,248
Horses	0	204	0	0	204
3. Other Animals Goats	0	11	.12	0	23
Ferrets	0	2	0	0	2
Gerbils	0	9	0	0	9
Oppossums	0	160	0	0	160

#### ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ( Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete ( TU.S.C. Section 2143 ) SIGNATURE OF CIEIO, OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL / Type or Print ) DATE SIGNED NOV. 14.200

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

( AUG 91 )



DIVISION OF AMERICAN HOME PRODUCTS CORPORATION

MAILING ADDRESS: P.O. BOX 518 FORT DODGE, IOWA 50501

DELIVERY ADDRESS: 800 5TH STREET N.W. FORT DODGE, IOWA 50501

TELEPHONE: 515-955-4600 FAX: 515-955-9183

> Annual Report of Research Facility Registration No. 42-R-009 Fort Dodge Laboratories Fort Dodge, Iowa

Professional acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs prior to, during, and following actuation research, teaching, testing, surgery, or experimentation were followed by the research facility.

Each principal investigator has considered alternatives to painful procedures.

The facility is adhering to the standards and regulations under the ACT. The IACUC has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the IACUC. A summary of all such exceptions is attached to the facility's annual report. In addition to identifying the IACUC approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.



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A total of seven thousand two hundred and thirty (7230) hamsters were involved in testing procedures that involved pain and/or distress.

Seven thousand ninety-five (7095) hamsters were used for (b)(4) potency testing. The following tests were conducted in accordance with the following approved Outlines of Production and/or 9 CFR requirements:



One hundred thirty-five (135) hamsters were used in (b)(4) potency testing. The tests were conducted in accordance with approved Outlines of Production (b)(4).

Any pain and/or distress by the hamster was kept to a minimum limited only by the definition of the testing.



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Two hundred and seventy-three (273) pigs were used in testing procedures that involved pain and/or distress.

One hundred fifty-four (154) were used in studies in the development of a vaccine for (b)(4)

Ninety-two (92) were used in the development of a vaccine against (b)(4)

Nineteen (19) were used in the development of a vaccine against (b)(4)

Five (5) were used in the development of a vaccine against (b)(4)

Three (3) were used in the development of a vaccine against (b)(4)

Any pain and/or distress experienced by the pig was kept to a minimum limited only by the definition of the testing.



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Two hundred and eight (208) dogs were involved in testing procedures that involved pain and/or distress.

One hundred nine (109) dogs were used in studies for development and testing of a vaccine against (b)(4)

An additional ninety-two (92) dogs were used in studies for the development of a vaccine against (b)(4) using procedures in a USDA approved immunogenicity study (b)(4)

Seven (7) dogs were used in testing for the development of a vaccine against (b)(4)

(b)(4)

in a method from an immunogenicity study approved (b)(4)

Any pain and/or distress experienced by the dog was kept to a minimum limited only by the definition of the testing.



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TELEPHONE: 515-955-4600 FAX: 515-955-9183

Fifty-eight (58) cats were involved in testing procedures that involved pain and/or distress.

Fifty-eight (58) cats were used for testing (b)(4)

(b)(4) in accordance with

Any pain and/or distress experienced by the cat was kept to a minimum limited only by the definition of testing.



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Fourteen calves (14) were involved in testing procedures that involved pain and/or distress.

One (1) was used in a study for the maintenance of (b)(4) seed stock.

Three (3) were used in a study for the maintenance of a (b)(4) stock.

Ten (10) were used in a study for development of a bovine vaccine against (b)(4) (b)(4)

Any pain and/or distress experienced by the calf was kept to a minimum.

1.8

See attached form for additional information. Intersgency Report Control No.: 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 42-R-0020

CUSTOMER NUMBER: 1625

FORM APPROVED OMB NO. 0679-0036

ANNUAL REPORT OF RESEARCH FACILITY

**Grand Laboratories** -Rr 1 Box 193 1447 140th St.

Telephone: (712)477-2811

Larchwood, IA 51241

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Shor) - Good Alexanded Listing 1 Site -

1447 140th St.

Larchwood, IA

51241

Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which backing, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely effected the procedures, results, or interpretation of the basching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.).	F.  TOTAL NUMBER OF ANIMALS  ( COLUMNS
, Dogs	-				
. Cats					
, Guines Pigs		1832	3	43	1878
7. Harnsters		5196		3874	9070
3. Rabbits			1653		1653
9. Non-human Primates					
0. Sheep		4			4
1. Pigs		161			161
2. Other Ferm Animals					
Calves		6			6
3. Other Animals					
Chickens		6			6
Mice		18949		15905	34854

### ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analysis, and tranquilizing drugs, prior to, during, and following actual search, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is strached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- ch facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

<ol> <li>The attending veterinaries for this research facility has appropriate a</li> </ol>	unionly to ensure the provident of	
f chaired 5	ATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Executive Officer or Legally Responsible Institutional Official ) that the above is true, correct, and complete (7 U.S.C. Section 2143)	
, can y	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/06/0

APHIS FORM /UZ3 (AUG 91)

(respectes ve runni runni que, ..., which is obsolete.)

# Optional Column E Explanation Form

and its use is voluntary. Names, addresses, pr	the Column E explanation. It is not an official form rotocols, veterinary care programs, and the like, are umn E explanation must be written so as to be s.
1. Registration Number: 42-2-00	20
2. Number /4	of animals used in this study.
3. Species (common name) Guinea Pig	of animals used in this study.
4. Explain the procedure producing pain	and/or distress.
(b)(4)	ination/challenge polency test.
5. Provide scientific justification why parelieved. State methods or means used to relief would interfere with test results. (F question 6 below)	determine that pain and/or distress
6. What, if any, federal regulations requithe Code of Federal Regulations (CFR) to number (e.g., APHIS, 9 CFR 113.102):	-
Agency APHiS	CFR 9CFR (b)(4)

# Optional Column E Explanation Form

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1. Registr	ration Number:	42- R-00à	<u> </u>	
2. Numbe	er_ 29		of anim	als used in this study.
3. Species	(common name)	Guinea Rig	of anin	nals used in this study.
	n the procedure	producing pain a	ınd/or dist	tress.
(b)(4)		vaccination/e	hallenge	potency test.
relieved.	State methods of all interfere with	or means used to	determine	listress could not be that pain and/or distress mandated testing, see
6 What	if any fadamal		- 41 *	
the Code	of Federal Regu	ılations (CFR) tit	e this proc le numbei	edure? Cite the agency, and the specific section
	e.g., APHIS, 9	CFR 113,102):		
Agency_	APHIS		_CFR	OCFR (b)(4)

# Optional Column E Explanation Form

Optional Contract an official form
orm is intended as an aid to completing the Column E explanation. It is not an official form use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are used as part of an explanation. A Column E explanation must be written so as to be used to be a serious as well as scientists.
use is voluntary. A Column E explanation A Column E explanation
uired as part of an explanation tood by lay persons as well as scientists.
tood by lay person
egistration Number: 42-2-0020
01 animals =
sumber 3874 Conimals used in this study.
pecies (common name) tamsfer of animals used in this study.
pecies (continue via pain and/or distress.
Explain the procedure producing pain and/or distress.
hallenge potency tests.
adeure tests.
hallenge potenty
All redactions on this page are pursuant to (b)(4).
5. Provide scientific justification why pain and/or distress could not be  5. Provide scientific justification why pain and/or distress and/or distress  6. State methods or means used to determine that pain and/or distress
5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relieved. State methods or means used to determine that pain and/or distress relieved interfere with test results. (For Federally mandated testing, see
5. Provide scientific justification with a determine that pain and so relieved. State methods or means used to determine that pain and relief would interfere with test results. (For Federally mandated testing, see relief would interfere with test results.)
question 6 below)
question
6. What, if any, federal regulations require this procedure? Cite the agency,
6. What, if any, federal regulations require this procedure? Cite the against the Code of Federal Regulations (CFR) title number and the specific section the Code of APHIS, 9 CFR 113.102):
the Code of Federal Regulations (5) number (e.g., APHIS, 9.CFR 113.102):
number (e.g., Al Pier, (b)(4)
the Code of Federal Regulation in the Co