See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 86-R-0002

CUSTOMER NO. 1043

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2000 - Sept. 30, 2001

include Zip Code) ARIZONA STATE UNIVERSITY

ANIMAL CARE PROGRAM TEMPE, AZ 85287 (602) 965-4385

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

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

FACILITY LOCATIONS(sites)

See Attached Listing

sheets if necessary.)

Price Road Facility

Schwada Classroom Office Building - 3rd floo

Animal Resource Center / Aquatic Terrestrial

Psychology Building - 3rd floor

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, anaigesic, 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 NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters	32	371			371
3. Rabbits		2	124		126
9. Non-Human Primates	·		2 new this year 4 continuing	rm	6
10. Sheep			prior years		0
11. Pigs			82		82
12. Other Farm Animals					
Horses		14			14
13. Other Animals				IT BRBINB	
Chinchillas			24		24
Chipmunks		4		DEC 5 2001 HUJI	4
Deer mice		14			14

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 the 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)	
S		DATE SIGNED
		11/30/01

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is absolete

PART 1 - HEADQUARTERS

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO. 86-R-0002

CUSTOMER NO. 1043

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)
Oct. 1, 2000 - Sept. 30, 2001

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

ANIMAL CARE PROGRAM TEMPE, AZ 85287 (602) 965-4385

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 NC OF ANIMAL (Cols. C + D + E)
	4			4
ls		42		42
	2			. 2
		129		129
	2			2
	4			4
	·			

			DEC 5 2001 1/7	
			USDA, 42 HS, 4540, 40	************************
	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.	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.	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 experiments, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. 4 D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, steaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals upon which experiments, steaching, research, surgery, or tests were conducted involving accompanying pain or distress, or use of pain and for which experiments, steaching, research, surgery, or tests were conducted involving accompanying pain or distress.	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. 4 4 4 4 4 2 129 2 129 2 129 2 10

1)	Professionally acceptable standards governing the care, treatment, and use of animals	als, including appropriate use of an esthetic analgesic and tranquilizing drugs prior to, during
	and following actual research, teaching, testing, surgery, or experimentation were followed	llowed by this research facility.

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)	
[5		DATE SIGNED
		11/30/01
A		C4 UEADOUADTEDS

(AUG 91)

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 the 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.

See reverse side for additional information.

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Interagency Report Control No - () 1

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0005 CUSTOMER NO. 1045

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

NORTHERN ARIZONA UNIVERSITY BOX 4130 FLAGSTAFF, AZ 86011 (520) 523-4880

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) Research Annex(rabbits): Wupatki and Sunset Crater Ntl. Monuments (rodent

FACILITY LOCATIONS(sites)

See Attached Listing

Local national monumnets, including Wupatki, Sunset Crater, Walnut Canyon,

Grand Canvon	Nat. Park,	Coconino an	d Kaibab Nat. F	orests	
REPORT OF ANIMALS USED BY	Y OR UNDER CONTROL C	F RESEARCH FACILITY	(Attach additional sheets if nece	ssary or use APHIS FORM 7023A)	
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 NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					·
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		2			2
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					,
Pinyon mouse		193			193
Brush mouse		114	5		119
Deer mouse		890	12		101
ASSURANCE STATEMENTS		448	17		

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 the 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.

aspects of animal care and use.	Annual section of the	•
	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		DATE SIGNED
		14/19/01
APHIC EOE		LIEADOLLABTERS

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APHIS FOF (AUG 91)

- HEADQUARTERS

¹⁾ Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate 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.

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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO. 86-R-0005

CUSTOMER NO. 1045

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

NORTHERN ARIZONA UNIVERSITY BOX 4130 FLAGSTAFF, AZ 86011 (520) 523-4880

	B. Number of	C. Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or	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	TOTAL NO OF ANIMAL (Cols. C + D + E)
	yet used for such purposes.	use of pain- relieving drugs.	tranquilizing drugs were used.	animals and the reasons such drugs were not used must be attached to this report)	
Harvest mouse		2			2
White-throated	woodrat	2			2
Cliff Chipmunk		11			11
Silky Pocket mo	use			ALL PROPERTY OF THE PROPERTY O	1
Albert Squirrel		46			46
	- Jt. J				
		· · · · · · · · · · · · · · · · · · ·			
			1		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate 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 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 the 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.

CERTIFICATIO	N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Execut	ve Officer or Legally Responsible Institutional official)	
I certify that t	he above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNAT' TO OF OF O OF INSTITUTIONAL OFFICIAL	MAME & TITLE OF CE O OF INSTITUTIONAL OFFICIAL /T OF ONE	DATE SIGNED
		11/19/01
4.01.00		4 UEADOUADTEDS

APHIS : (AUG 91) 1 - HEADQUARTERS

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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 86-R-0009

CUSTOMER NO. 1051

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) W. L. GORE & ASSOCIATES, INC. 1505 N. FOURTH STREET

FLAGSTAFF, AZ 86001 (520) 526-3030

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

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

FACILITY LOCATIONS(sites)

See Attached Listing

Science Center, Flagstaff, AZ 86002

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 animais 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)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	10	8	196	0	204
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	25	0	143	0	143
9. Non-Human Primates	0	00	0	0	0
10. Sheep	3	0	22	0	22
11. Pigs	1	0	34	0	34
12. Other Farm Animals	0	0	0	. 0	0
······································				0	
13. Other Animals	0	0	0	0	0
					·
				No.	
				OCT 2.5 2001	

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analogsic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility

USDA, APHIS, REAC, AC SACRAMENTO, CA

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 the 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.

	(Chief Executive Officer or Legally Responsible Institutional official)		
SIGI		or Print)	DATE SIGNED
			10.22.9
ADU		24074	UEADOUADTEDO

(AUG 91)

PART 1 - HEADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

86-R-0009

Customer Number:

1051

Facility:

W. L. GORE & ASSOCIATES, INC.

1505 N. FOURTH STREET FLAGSTAFF, AZ 86001

(520) 526-3030

W. L. GORE & ASSOCIATES, INC. 4100 W. KILTIE LANE FLAGSTAFF, AZ 86002

(b)(6), (b)(7)c



See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0016 CUSTOMER NO. 1053

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

HARRINGTON ARTHRITIS RESEARCH CENTER 300 N. 18TH STREET

300 N. 18TH STREET PHOENIX, AZ 85006 (602) 254-0377

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, 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 teaching, testing, experiments, research, or surgery but not yet used for such purposes.	F RESEARCH FACILITY C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach additional sheets if nece 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 NO. OF ANIMALS (Cols. C + D + E)
4. Dogs			2		2 .
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs			40		40
12. Other Farm Animals					
				DRESIMENT	
13. Other Animals					
				UU SEP 2 7 2001 1111	
			÷		
				USDA, APHIS, REAC, AC	
ASSURANCE STATEMENTS					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate 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 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 the 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.

•	· /	BY HEADQUARTER e Officer or Legally			
				NL (Type or Print)	DATE SIGNED
,				PART '	1 - HEADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

86-R-0016

Customer Number:

1053

Facility:

HARRINGTON ARTHRITIS RESEARCH CENTER

300 N. 18TH STREET PHOENIX, AZ 85006 (602) 254-0377

HARRINGTON ARTHRITIS RESEARCH CENTER 300 N. 18TH STREET Phoenix A2 8506 CORTHOLOGIC CORP.
1275 W. WASHINGTON, TEMPE, AZ 85281 PHOENIX, AZ 85006



cording to the regulations can

See reverse sidu additional informa-

12-17-07 Interagency Report Control No

0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0022

CUSTOMER NO. 1058

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

Print)

DATE SIGNED 9-24-01

PART 1 - HEADQUARTERS

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) PRIMATE FOUNDATION OF ARIZONA

P. O. BOX 20027 MESA, AZ 85277 (480) 832-3780

 REPORTING FACILITY (List sheets if necessary.) 	all locations where animals	were housed or used in a	actual research, testing, teaching	g, or experimentation, or held for these purposes. Attach add	dilional
		F	FACILITY LOCATIONS(sites)		
See Attached Listing					
				essary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfara 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 enimels upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthelic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying path 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 NO. OF ANIMALS (Cols. C + D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates	0	76	0	0	76
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				2 2 10 10 10 2	erone is an and and a
ASSURANCE STATEMENTS				ा ८ ७ ६ ॥ ७ ६	Inli
 Professionally acceptable sta and following actual researc 	andards governing the care th, leaching, lesting, surger	 treatment, and use of ar y, or experimentation wer 	inimals, including appropriate use re followed by this research facility	e of anesthetic, analgesic, and tranquilizing drugs, prior to, d	luring,
2) Each principal investigator h	as considered alternatives	lo painful procedures.		NOV 2 6 2001	
principal investigator and ap	proved by the Institutional A	Animal Care and Use Con	mmittee (IACUC). A summary of	standards and regulations be specified and explained by the all the exceptions is attached to this annual report. In as, as well as the species and number of enimals affected.	
 The attending veterinarian for aspects of animal care and to 	or this research facility has a	appropriate authority to er	nsure the provision of adequate v	veterinary care and to oversee the adequacy of other AC	. !
	CERTIFIC	ATION BY HEAD	QUARTERS RESEARCH	FACILITY OFFICIAL	

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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0030

CUSTOMER NO. 1275

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

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

ALCOR LIFE EXTENSION FOUNDATION 7895 E. ACOMA DRIVE, STE 110 SCOTTSDALE, AZ 85260 (480) 905-1906

		F	ACILITY LOCATIONS(sites)		
See Attached Listing					
,					
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if nece	ssary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or naid 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.	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)	F. TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs	0	0	0	Ô	0
5. Cats	0	0	0	0	0
6. 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
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
				*	
13. Other Animals	0	0	0	0	0
				F R B I W E I	
1			·		
				1111 mg -9700 IL	
ASSURANCE STATEMENTS				Land Land	į .
, , , , , , , , , , , , , , , , , , , ,			animals, including appropriate use re followed by this research facilit	e of aneithetic, analgesic, and tranquilizing drugs, prior to, y. 11504 APHIS, READ, AU	during,
2) Each principal investigator h	as considered alternatives	to painful procedures.		y. USDA, APHIS, REAC, AU SACRAMENTO, CA	
principal investigator and ap	proved by the Institutional	Animal Care and Use Co	mmittee (IACUC). A summary of	standards and regulations be specified and explained by th fall the exceptions is attached to this annual report. In ns, as well as the species and number of animals affected.	e
 The attending veterinarian for aspects of animal care and to 		appropriate authority to	ensure the provision of adequate	veterinary care and to oversee the adequacy of other	
			QUARTERS RESEARC		
	_ (Olue) i		or redaily treatonatine		
SIGN					10/3/01
APHIS DOKINI 1023 (AUG 91)	(Replaces VS FORM 18-	23 (Oct 88), which is ob	solete	PAKI 1 - HE	ADQUARTERS

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

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0031 CUSTOMER NO. 1698

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zio Ccde)

SIIN HEALTH RESEARCH INSTITUTE

SUN HEALTH RESEARCH INSTITUTE 10515 W. SANTE FE DR. P. O. BOX 1278 SUN CITY, AZ 85372 (623) 876-5328

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, 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.)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, 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.	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 NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	\Diamond	ට
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	O
a. Rabbits	0	0	190	0	190
9. Non-Human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Gerbils	4	0	36	0	3 Ce
ASSURANCE STATEMENTS			·		

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic and transquitzing drugs 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 the exceptions 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

..EADQUARTERS

(AUG 91)

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

86-R-0031

Customer Number:

1698

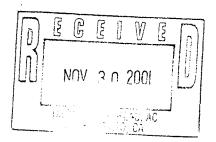
Facility:

SUN HEALTH RESEARCH INSTITUTE

10515 W. SANTE FE DR.

P. O. BOX 1278 SUN CITY, AZ 85372 (623) 876-5328

SUN HEALTH RESEARCH INSTITUTE 10515 W. SANTE FE DR. SUN CITY, AZ 85351



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

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 86-R-0032 CUSTOMER NO. 10322 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

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

ARIZONA HEART INSTITUTE FOUNDATION 2632 N. 20TH STREET PHOENIX, AZ 85006

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

FACILITY LOCATIONS(sites)

ARIZONA HEART INSTITUTE FOUNDATION
PHOENIX, AZ 85006

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.	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 NO. OF ANIMALS (Cois. C + 0 + E)
4. Dogs					
5. Cats					
5. Guinea Pigs		5-14			
7. Hamsters					
3. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals			·		
			· .		

- 1) Professionally acceptable standards governing the care; treatment, and use of animals, including appropriate 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 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 the 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 usa.

(Chief Executi	N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional official) he 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 SIGNED
		11/12/2001

See reverse side for additional information Interagency Report Cantrol No 0180-00A-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO.

CUSTOMER NO. 1044

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

86-R-0003

OMB NO. 9579-0036

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

UNIVERSITY OF ARIZONA 1501 N. CAMPBELL AVE JP O BOX 245092 TUCSON, AZ 85724 (520) 525-6702

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(sites)

See Attached Listing

A. Animals Covered By The Animal Weifare 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 lests were conducted involving no pain, distress, or use of pain-relieving crugs.	O. 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 discress 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 NO. OF ANIMALS (Cols. C + D + E)
4. Dogs		-	39	_	39
5. Cats		-	19	_	19
6. Guinea Pigs		109	_	-	109
7. Hamsters		37	108	47	192
8. Raboits		72	145	-	217
9. Non-Human Primates		-	10	-	10
10. Sheep		i	84	-	85
11. Pięs		10	155	12	177
12. Other Farm Animals					
Bovine		14144	49	-	190
13. Other Animals					
Bear		1	-	-	1
Gerbil		<u>4</u>	120	-	124
Goats		4	_		4

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, phorito, 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 the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary notices a bnef explanation of the exceptions, as well as the species and number of animals, affected
- 4) The attending veterinarian for this research (adility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of officer 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

See reverse side for additional information

Interagency Report Control No NA-AOG-0810

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1, REGISTRATION NO. 86-R-0003 CUSTOMER NO. 1044

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USCA, include Zip Code)

UNIVERSITY OF ARIZONA 1501 N. CAMPBELL AVE, P.O. BOX 245092 TUCSON, AZ 85724 (520) 626-6702

REPORT OF ANIMALS USED BY A.	3. Number of	C. Number of	D. Number of animals upon	E. Number of animals upon which teaching,	
Animais Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquiliting drugs were used.	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 (his report).	TOTAL NO OF ANIMAL (Cols. C + D + E)
Horse	ļ	30	_		30
Wild bats		1007		-	1007
Wild feline		I	_	_	. 1
Wild Rodents		1806		_	1806
					···
		<u></u>	1		
			i		700
			,		
				:	
<u></u>		<u> </u>	i	<u> </u>	
			i		
	<u> </u>		1	-	
		<u> </u>		. (
SSURANCE STATEMENTS					

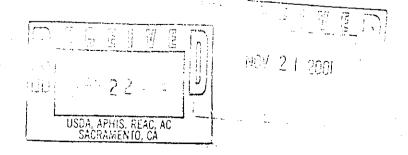
- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anisativetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures,
- 3) This facility is achieving 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 the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a biref explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending 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
		11/0/01
		1 - HEADQUARTERS



86-R-003

<u>Facility</u>	<u>Status</u>	Location	Contact Person
Site 001	Active	Arizona Health Sciences Center 1501 N. Campbell Ave. P.O. Box 245092 Tucson AZ 85724-5092 Pima County	(b)(6), (b)(7)c
Site 002	Active	Central Animal Facility 1127 E. Lowell Ave. P.O. Box 245092 Tucson AZ 85724-5092 Pima County	
Site 003	Active	Psychology Building 1503 E. University Blvd. P. O. Box 24592 Tucson, AZ 85724 Pima County	
Site 004	Active	Wildlife Research Center 2230 E. Roger Rd. P. O. Box 24592 Tucson, AZ 85724 Pima County	
Site 005	Inactive	Campus Agricultural Center 4101 E. Campbell Ave. P. O. Box 24592 Tucson, AZ 85724 Pima County	
Site 006	Active	IACUC & Records Central Animal Facility 1127 E. Lowell Ave. P.O. Box 245092 Tucson AZ 85724-5092 Pima County	
Site 007	Active	Veterans Administration Hospital 3601 S. 6 th Avenue P.O. Box 245092 Tucson AZ 85724-5092 Pima County	



Column E Explanation

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: 86-R-0003
2.	Number 12 of animals used in this study.
3.	Species (common name) Pigs Of animals used in the study.
4.	Explain the procedure producing pain and/or distress.
	Newborn pigs are exposed to wild type and mutant strains of Campylobacte jejuni and observed for clinical signs for no more than 6 days. Clinical signs may include diarrhea, bloody feces, loss of body weight.
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 item 6 below).
	Clinical signs of C. jejuni are secondary to the infectivity/pathogenesis of the bacteria. The administration of analgesics may affect the normal progressio of disease and microscopic lesions necessary for diagnosis. It has been shown (Lamb and Joens, 1996) that the use of opioid analgesics, such as methadone can release histamines, decrease gut motility, etc. NSAIDS inhibit the inflammatory response. Neostigmine and xylazine decrease gut motility (Kohn and Muir, 1998).
б.	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):
	None.
	Agency CFR
	USDA APHIS, REAC, AC

Column E Explanation

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:	86-R-0003		
2.	Number47	of anima	nals used in this study.	
3.	Species (common name	e) Hamsters	Of animals used in the study.	
4.	Explain the procedure p	producing pain and/or distr	ress.	
	arsenious (MMA) and was to find a maxim hamsters. Animals w intraperitoneal dosing if they had not reach	d sodium arsenite on ha um tolerated dose (MT vere monitored every 2 g. Animals were eutha	relative toxicities of monomethyl- namsters. The first aim of the study FD) for sodium arsenite and MMA in 2 hours for the first 48 hrs following anatized after 48 hrs. (study duratio Those animals that reached the)
5.	or means used to determ	• •	istress could not be relieved. State methodess relief would interfere with test results. v).	
	study was to establish hamsters without ob medications of any transcribed arsenical administrate outhanatized if they whichever came first animal each day, as distress. Veterinary eshowed minimal clinical stress.	sh the maximum toleral signal scuring the clinical signal signal specifical signal specifical signal specifical signal specifical signal specifical signs prior to euther scuring to euther signs prior to euther scuring specifical signs specifical	arsenic toxicity as the purpose of the ated dose of two arsenicals in ans of toxicity with concurrent ics). Animals were monitored postor 48 hours. Animals were to be tate or 48 hours after toxicity, aterinary technician observed the swere not suffering significant pain aimals is that they did quite well and anasia at 48 hours. Animals is thoughout the 48 hour period.	01
6.			edure? Cite the agency, the code of Feder section number (e.g., APHIS, 9 CFR	ral
	None.			