



Animals for Research: A Directory of Sources, Tenth Edition and Supplement

Institute of Laboratory Animal Resources, National Research Council

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Animals for Research

A Directory of Sources

Tenth Edition

Revised 1979

Institute of Laboratory Animal Resources

National Research Council

NATIONAL ACADEMY OF SCIENCES

WASHINGTON, D.C. 1979

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Preface

Founded in 1952, the Institute of Laboratory Animal Resources (ILAR) is a component of the Division of Biological Sciences, Assembly of Life Sciences, National Research Council. ILAR serves as a coordinating agency to disseminate information, establish guidelines for humane care and use of animals, survey existing and required resources, promote education, hold conferences, and generally to upgrade laboratory animal resources.

As a service to the scientific community, the staff of ILAR compiles data on sources of animals and biologic materials. *Animals for Research - A Directory of Sources* (Tenth Edition) is a compilation of information provided from 186 suppliers of a wide variety of animals. It is designed to facilitate locating and procuring animals for research use.

This version of *Animals for Research* represents a significant departure from previous editions. Strain and stock histories have been omitted purposely, thus freeing space for information that has proven more immediately relevant to purchasing representatives and investigators, including: surgical modifications available; immunizations given routinely; and seasonal availability of various wild-caught animals. If needed, the historical information can be obtained directly from the supplier or from pertinent literature (see, for example, Festing and Staats, 1973; Staats, 1976; Altman and Katz, 1979).

Other changes, intended to make the book easier to use, include categorization of cats and dogs as to colony bred or random source and listing of less commonly used vertebrates by common name, with a cross-index by scientific name. Opinions and comments on the format of this Directory would be appreciated and maybe directed to:

Institute of Laboratory Animal Resources
National Academy of Sciences
2101 Constitution Avenue, N.W.
Washington, D.C. 20418

It is anticipated that this material will be updated periodically, between editions, through publication of supplements, the availability of which will be announced in the Institute's quarterly journal, the *ILAR News*.

In assembling data for this Directory, companies were requested to provide accurate identification and descriptions of their available animal stocks. To ensure uniform listing, all suppliers were urged to comply with the specific terms and definitions used in this Directory. Although ILAR has made every effort to be complete and accurate, we cannot vouch for the identifying or descriptive terminology used, nor do we endorse any breeder, supplier, importer, or collector. All inquiries concerning cost or additional details on available animals should be directed to the companies listed herein.

This volume was compiled and edited by Dorothy D. Greenhouse and Andrea Lynn Cohen, with secretarial assistance from Joan L. Delli Carpini. Assistance also was given by other members of the ILAR staff. Gratitude is due to Samuel M. Poiley, National Cancer Institute, retired; Carl T. Hansen, National Institutes of Health; Joan Staats, The Jackson Laboratory; and Ronald Crombie, Smithsonian Institution for their contributions. Thanks also go to the ILAR committee on Animal Models and Genetic Stocks for their help and advice.

REFERENCES

- Altman, P. L., and D. D. Katz, eds. 1979. Inbred and genetically defined strains of laboratory animals. Part 1. Mouse and rat. Federation of American Societies for Experimental Biology, Bethesda, MD. 418 pp.
- Festing, M., and J. Staats. 1973. Standardized nomenclature for inbred strains of rats. Fourth listing. *Transplantation* 16:221-245.
- Staats, J. 1976. Standardized nomenclature for inbred strains of mice: Sixth listing. *Cancer Res.* 36:4333-4377.

Terms and Definitions

Definitions and explanations of the terms used in this listing are given below. These definitions were used by those completing questionnaires to supply information for this compilation; a few terms are defined for use specifically in *Animals for Research - A Directory of Sources*. Where possible, definitions conform to those used by the International Committee on Laboratory Animals (ICLA).^{*} Terminology pertaining to gnotobiotic technology conforms to definitions cited by the ILAR Subcommittee on Standards for Gnotobiotics.[†]

BARRIER REARED (BR) or SPECIFIC-PATHOGEN FREE (SPF) ANIMAL - An animal with defined flora maintained in an open-room barrier.

CLOSED COLONY - An animal population that is maintained without the introduction of animals from other sources.

CONVENTIONAL (C) ANIMAL[‡] - An animal with an uncontrolled flora, reared under open animal room conditions in association with other animals of the same type.

CROSSBREED - The result of a mating between two purebred animals.

DEFINED FLORA (DF) ANIMAL[‡] - A gnotobiotic maintained under isolator conditions in intentional association with one or more known types of microorganisms.

GERMFREE ANIMAL (GF) [axenic animal][‡] - A gnotobiotic that is free from all demonstrable associated forms of life, including bacteria, viruses, fungi, protozoa, and other saprophytic or parasitic forms. Since criteria for establishing "germfree" depend on currently-available diagnostic tests, animals now designated as germfree may possibly in the future be found to harbor one or more viable agents.

^{*} ICLA Bulletin, No. 14, Annex I, i-v, March 1964.

[†] Gnotobiotics: Standards and Guidelines for the Breeding, Care, and Management of Laboratory Animals. National Academy of Sciences, Washington, D.C., 1970 (second printing, December 1971). ISBN 0-309-01858-7.

GNOTOBIOTE (GN) [gnotobiotic animal][¶] - One of an animal stock or strain derived by aseptic cesarean section or sterile hatching of eggs that is reared and continuously maintained with germfree techniques under isolator conditions and in which the composition of any associated fauna and flora, if present, is fully defined by accepted current methodology.

HYBRID* - The immediate product of either 1) an interspecies cross, or 2) a cross between two inbred strains. When listed in this Directory, hybrid crosses are shown with the female parent first.

INBRED STRAIN* - A strain shall be regarded as inbred when it has been mated brother \times sister (hereinafter called $b \times s$) for 20 or more consecutive generations. Parent \times offspring ($p \times o$) mating may be substituted for $b \times s$ matings. When consecutive $p \times o$ matings are used, the mating must always be to the most recent generation parent.

LINEBRED - Animals derived by a mating system where some relationship is deliberately maintained to one common ancestor.

MATING SYSTEM* - Any plan for propagating animals.

MIXED BREED - A stock that is a mixture of two or more pure breeds, with the precise mixture not always known; herein applied mainly to dogs, domestic farm mammals, and domestic fowl.

MUTANT - An animal that has heritable characteristics that deviate from the norm.

OUTBRED STOCK - A stock derived by the deliberate mating of unrelated animals.

PARTIALLY INBRED - A group of animals that has been maintained by $b \times s$ or $p \times o$ matings, but not yet up to 20 generations.

VARIOUS BREEDS - A listing indicating that several breeds are available from a particular source, but that these have not been identified individually by name.

[¶] Gnotobiotes: Standards and Guidelines for the Breeding, Care, and Management of Laboratory Animals. National Academy of Sciences, Washington, D.C., 1970 (second printing, December 1971). ISBN 0-309-01858-7.

* ICLA Bulletin, No. 14, Annex I, i-v, March 1964.

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Rodents

Footnote symbols are used consistently in this section, as follows:

* or ** indicate companies holding registered trademarks;

¶ indicates timed and untimed pregnant females available;

§ and @ are used for footnotes other than those listed above.

The terms used in this section are defined in the "Terms and Definitions" section and are abbreviated as follows:

Microbiological status:

C	conventionally reared	DF	defined flora
BR	barrier reared or specific pathogen free (SPF)	GF	germfree
		GN	gnotobiote
Rearing by means other than natural mother:			
f	fostered	fh	fostered by hand

In the "Mice" section, a letter and two numbers in brackets, e.g., [J72], following an fh subscript indicates the place and year of hysterectomy derivation of the substrain.

Surgical modifications available:

adr	adrenalectomy	pan	pancreatectomy
cas	castration	para	parathyroidectomy
hyp	hypophysectomy	thr	thyroidectomy
nep	unilateral nephrectomy	thy	thymectomy
ova	ovariectomy		

In the outbred "Guinea Pigs" section, the following color codes are used:

A	albino	C	colored
---	--------	---	---------

In the "Hamsters" section, pathology and life span information has been included in an attempt to make the listings additionally useful for research purposes.

OUTBRED STOCK INFORMATION

BREED OR STOCK DESIGNATION: "International Standardized Nomenclature for Outbred Stocks of Laboratory Animals," International Committee on Laboratory Animals (ICLA) Bulletin, No. 30, March 1972, has been used in designating these animals. Copies of this bulletin are available from the Institute of Laboratory Animal Resources (ILAR), 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

- Letters preceding the colon designate the supplier/breeder code consisting of a capital and two or three lower case letters.
- Capital letters following the colon are used by a breeder to identify his stock.
- Letters in parentheses denote origin of stock.
- Subscript symbols (shown on previous page) indicate rearing by means other than natural mother.

MICROBIOLOGICAL STATUS: Abbreviations have been listed previously. Explanations are provided in the "Terms and Definitions" section.

COLONY CLOSED 19—: Year after which no new animals were introduced into the colony.

SURGICAL MODIFICATIONS AVAILABLE: Surgical modifications of animals that can be provided by suppliers by arrangement. The abbreviations used are listed on the previous page.

CODE: Code designations for suppliers. Names, addresses, and phone numbers for suppliers are listed in the final section of the book.

INBRED STRAIN INFORMATION

STRAIN DESIGNATION: The following references have been used in designating strains of inbred mice and inbred rats, respectively:

Staats, J. 1976. Standardized nomenclature for inbred strains of mice: Sixth listing. *Cancer Res.* 36:4333-4377.

Festing, M., and J. Staats. 1973. Standardized nomenclature for inbred strains of rats. Fourth listing. *Transplantation* 16(3):221-245.

- The strain designation is given in capital letters followed by a slash.

- The substrain designation follows the slash and may be given as numbers or as individual or company codes. Numbers are used to denote substrains that were derived from a common strain but separated before the completion of inbreeding. The individual or company code, written as an initial capital letter followed by up to three lower case letters, indicates the name of the person, laboratory, or company holding the strain. Several codes may appear together, indicating the history of the strain when read from left to right. The current holder's code appears last (farthest right) in the line.
- Abbreviations indicating rearing by means other than natural mother (listed previously) may be included.

MICROBIOLOGICAL STATUS: Abbreviations have been listed previously. Explanations are provided in the "Terms and Definitions" section.

PRESENT F NUMBER: Current generation of inbreeding, either since the animals were acquired by the current supplier, or over the entire history of the strain.

SURGICAL MODIFICATIONS AVAILABLE: Surgical modifications of animals that can be provided by suppliers by arrangement. The abbreviations used have been listed previously.

CODE: Code designations for suppliers. Names, addresses, and phone numbers for suppliers are listed in the final section of the book.

OTHER RODENTS

Rodents other than those commonly used in the laboratory may be found in the section, "Other Vertebrates: Mammals."

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MONGOLIAN (MON) GERBILS (*Meriones unguiculatus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
Anp: (MON)	C	—		Anp
Chi: (MON)	C	64		Chi
Haf: (MON)	C	67		Haf
Has: (MON)	C	76	cas, ova, others	Has
Hul: (MON)	C	—		Hul
Rbc: BROWN	C	—		Rbc
BEAUTY (MON)				
Tum: (MON)	C	54		Turn
Wbs: (MON)	C	71		Wbs
[linebred]				

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MONGOLIAN (MON) GERBILS (*Meriones unguiculatus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
MON/Has	C	6	cas, ova, others	Has
MON/Tum	C	32		Tum

MONGOLIAN (MON) GERBILS (*Meriones unguiculatus*) Mutant

Mutant Designation	Microbiological Status	Stock or Strain On Which It Is Carried	Surgical Modifications Available	Code
black	C	Has: (MON)	cas, ova, others	Has
	C	MON/Has	cas, ova, others	Has
	C	Tum: (MON)		Tum
spot	C	Haf: (MON)		Haf

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GUINEA PIGS (*Cavia porcellus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19—	Surgical Modifications Available	Code
DUNKIN-HARTLEY (DH)				
Bil:(DH)	C	72	cas, ova	Bil
Cam:(DH)	C	61	cas, ova	Cam
Dla:(DH) [¶]	BR	75	ova	Dla
HARTLEY (HA)				
Anp:(HA)	C	—		Anp
Cam:FCRC(HA)	C	62	cas, ova	Cam
Cam:(HA)	C	64	cas, ova	Cam
Cam:NON-RESPONDERS TO PLL(HA)	C	68	cas, ova	Cam
Cam:RESPONDERS TO PLL(HA)	C	68	cas, ova	Cam
Can:(HA)	BR	69		can
Clc:(HA)	C	—		Clc
Crc:(HA)	C	62		Crc
Crl:COBS [®] (HA)*	BR, DF	70		Crl
Dsk:(HA)	C	—		Dsk
Elm:(HA)	C	69	adr, hyp, ova, thy	Elm
Fab:(HA) [¶]	C	—	cas, ova, others	Fab
Gin:(HA)	C	—		Gin

* COBS[®] is a registered trademark of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

[¶] Timed and untimed pregnant females available.

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GUINEA PIGS (*Cavia porcellus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
<hr/>				
HARTLEY (HA)				
Hla: (HA)	BR	68		Hla
Ils: (HA)	C	65		Ils
Kel: (HA)	C	74		Kel
Mcr: (HA)	C	—		Mcr
New: (HA)	C	76		New
Old: (HA)	C	—		Old
Pep: (HA)	C	65		Pep
Roc: (HA)	C	—		Roc
Sire: (HA)	C	67		Sire
Suo: (HA)	C	—		Suo
Swf: (HA)	C	71		Swf
Wbs: (HA)	C	76		Wbs
[linebred]				
SHORTHAIR (SR)				
Akl: AK (SR)	C	71		Akl
Anp: C (SR)	C	—		Anp
Cam:MOEN	C	60	cas, ova	Cam
CHASE A(SR)				
SHORTHAIR (SR)—AMERICAN				
Chr:	C	—		Chr
AMERICAN C (SR)				
Dsk:	C	—		Dsk
AMERICAN A (SR)				
Hul:	C	—		Hul
AMERICAN A (SR)				
Hul:	C	—		Hul
AMERICAN C (SR)				

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RODENTS

GUINEA PIGS (*Cavia porcellus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
SHORTHAIR (SR)—AMERICAN				
Isa: AMERICAN A(SR)	C	—		Isa
Isa: AMERICAN C(SR)	C	—		Isa
Pad: AMERICAN C(SR)	C	—		Pad
Ssi: AMERICAN A(SR)	C	68		Ssi
SHORTHAIR (SR)—ENGLISH				
Cam:ENGLISH A (SR)	C	—	cas, ova	Cam
Cam:ENGLISH C (SR)	C	—	cas, ova	Cam
Dmf: ENGLISH A (SR)	C	72		Dmf
Hla: ENGLISH A (SR)	C	—		Hla
Hla: ENGLISH C (SR)	C	—		Hla
Ils:ENGLISH A (SR)	C	65		Ils
Ssi: ENGLISH A (SR)	C	68		Ssi
Ssi: ENGLISH C (SR)	C	68		Ssi
Thr: ENGLISH A (SR)	C	—		Thr
Thr: ENGLISH C (SR)	C	—		Thr
OTHER STOCKS				
Hul: ABYSSINIAN	C	—		Hul
Hul: PERUVIAN non-designated	C	—		Hul
non-designated [linebred-various colors]	C	58		Drb
				Thr

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GUINEA PIGS (*Cavia porcellus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
WRIGHT STRAIN 2				
COBS®2/Crl*	BR	—		Crl
2/Crc	C	9		Crc
2/Elm§	C	—	adr, hyp, ova, thy	Elm
WRIGHT STRAIN 13				
COBS®13/Crl*	BR	—		Crl
13/Crc	C	51		Crc

* COBS® is a registered trademark of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

§ These guinea pigs now are being outbred, but in 1978 were found to be histocompatible with inbred Strain 2 animals from a number of other sources.

GUINEA PIGS (*cavia porcellus*) Partially Inbred

Stock Designation	Microbiological Status	Number of Generations of Inbreeding	Code
Emr:(HA)	C	—	Emr

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HAMSTERS Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Comments	Code
ARMENIAN OR GREY (ARM) (<i>Cricetulus migratorius</i>)				
Iebs: (ARM)	C	64	prone to autoimmune diseases; free of spontaneous neoplasms; highly sensitive to low doses of chemical carcinogens; life span 1000 days	Iebs
CHINESE OR STRIPED-BACK (CHN) (<i>Cricetulus griseus</i>)				
Chi: (CHN)	C	64		Chi
Iebs: (CHN)	C	67	low incidence of spontaneous neoplasms; model for adjuvant induced lymphomatoid & sarcomatoid granulomatosis, sarcoidosis, vasculitis, pancreatitis, & insulinitis; life span 1000 days	Iebs
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)				
Anp: (SYR)	C	—		Anp
Bbh: (SYR)	C	77		Bbh
[albino]				
Bbh: (SYR)	C	77		Bbh
[various colors]				
Chi: (SYR)	C	59		Chi
Eng: ELA (SYR)	BR	68		Eng
Haf: (SYR)	C	69		Haf
Haf: (SYR)	C	65		Haf
[albino]				
Haf: (SYR)	C	75		Haf
[black]				

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RODENTS

HAMSTERS Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Comments	Code
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)				
Lak:LVG (SYR)	C	51	surgical modifications: adr, cas, hyp, ova, thy	Lak
Mcr:(SYR)	C	—		Mcr
Roc:(SYR)	C	—		Roc
Sas:(SYR)	C	73		Sas
Sch:(SYR)	BR	71		Sch
Sim:(SYR)	C	76		Sim
Ssi:(SYR) _f [outbred and linebred]	C	—		Ssi

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HAMSTERS Inbred					
Starain Designation	Microbiological Status	Present F Number	Comments	Code	
ARMENIAN OR GREY (ARM) (<i>Cricetulus migratorius</i>)					
IV/Gy	C	28	prone to age-related autoimmune diseases; life span 1000 days	Iebs	
VIII/Gy	C	31	prone to age-related autoimmune diseases; life span 1000 days	Iebs	
CHINESE OR STRIPED-BACK (CHN) (<i>Cricetulus griseus</i>)					
A/Gy	C	42		Iebs	
B/Gy	C	40	diabetes mellitus, uterine adenocarcinoma; life span 1000 days	Iebs	
2A/bGy	C	27		Iebs	
8A/aGy	C	25		Iebs	
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)					
BIO®IPI/Bio*§	C	40		Bio	
BIO®PD4/Bio*§	C	75		Bio	
BIO®X.3/Bio*§	C	54		Bio	
BIO®X.68/ Bio*§	C	51		Bio	
BIO®X.XB/ Bio*§	C	52		Bio	
BIO®1.26/Bio*§	C	62		Bio	

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§ Small numbers of surplus animals only may be available free of charge.

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HAMSTERS Inbred

Strain Designation	Microbiological Status	Present F Number	Comments	Code
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)				
BIO®1.5/ Bio*§	C	46	dental caries	Bio
BIO®2.4/ Bio*§	C	52	benign prostatic hyperplasia	Bio
BIO®4.22/ Bio*§	C	66		Bio
BIO®4.24/ Bio*§	C	58	congenital obesity; high incidence of adrenal tumors	Bio
BIO®7.88/ Bio*§	C	57		Bio
BIO®10.37/ Bio*§	C	25		Bio
BIO®11.10/ Bio*§	C	36		Bio
BIO®15.16/ Bio*	C	46	highly susceptible to methylcholanthrene-induced tumors (incidence higher in males than in females) and carcinogenic hydrocarbons; low incidence of spontaneous tumors	Bio
BIO®41.56/ Bio*§	C	39	congenital heterochromia iridis	Bio
BIO®45.5/ Bio*§	C	39		Bio
BIO®54.7/ Bio*§	C	47	highly susceptible to mammary tumor development in response to methylcholanthrene feeding	Bio

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HAMSTERS Inbred

Strain Designation	Microbiological Status	Present F Number	Comments	Code
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)				
BIO [®] 82.73/ Bio ^{*§}	C	45	frequency of spontaneous mammary tumors low; frequency of methylcholanthrene-induced tumors high	Bio
BIO [®] 4.9/ Bio ^{*§}	C	41		Bio
BIO [®] 86.93/ Bio ^{*§}	C	35	displays seizure-like activity, apparently heritable	Bio
BIO [®] 7.20/ Bio [*]	C	46	congenital benign prostatic hyperplasia; frequency of methylcholanthrene-induced mammary tumors high; significant incidence of methylcholanthrene-induced stomach tumors in males; frequency of methylcholanthrene-induced intestinal tumors higher in males than in females	Bio
CB/SsLak	C	60	surgical modifications: adr, cas, hyp, ova, thy	Lak
LHC/Lak	C	54	surgical modifications: adr, cas, hyp, ova, thy	Lak
LSH/SsLak	C	62	surgical modifications: adr, cas, hyp, ova, thy	Lak

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RODENTS 15

HAMSTERS Inbred

Strain Designation	Microbiological Status	Present F Number	Comments	Code
<i>SYRIAN GOLDEN (SYR) (Mesocricetus auratus)</i>				
MHA/SsLak	C	52	surgical modifications: adr, cas, hyp, ova, thy	Lak
PD4/Lak	C	47	surgical modifications: adr, cas, hyp, ova, thy	Lak

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HAMSTERS Hybrid

Hybrid Designation	Microbiological Status	Parental Strains	Code
ARMENIAN OR GREY (ARM) (<i>Cricetulus migratorius</i>)			
VIII × IV	C	VIII/Gy × IV/Gy	Iebs
CHINESE OR STRIPED-BACK (CHN) (<i>Cricetulus griseus</i>)			
A × B	C	A/Gy × B/Gy	Iebs
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)			
BIO [®] F ₁ B*	C	BIO [®] 87.20/Bio × BIO [®] 1.5/Bio*	Bio
BIO [®] F ₁ D*	C	BIO [®] 87.20/Bio × BIO [®] 15.6/Bio*	Bio

F₁ hybrids of any inbred BIO[®] strains are available upon request, but are not maintained routinely

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HAMSTERS Mutant

Mutant Designation	Microbiological Status	Strain(s) on Which It Is Carried	Code
CHINESE OR STRIPED-BACK (CHN) (<i>Cricetulus migratorius</i>)			
<i>bb</i> (Brittle bristle, maturity onset hair follicle abnormality in females-partial alopecia)	C	A/GY	Iebs
SYRIAN GOLDEN (SYR) (<i>Mesocricetus auratus</i>)			
<i>cm</i> (Cardiomyopathy)	C	BIO®14.6/Bio* BIO®40.54/Bio*§ BIO®53.58/Bio* BIO®82.62/Bio*§	Bio
<i>hy</i> (Hydrocephalus)	C	BIO®35.97/Bio*§	Bio
<i>pa</i> (Hind-leg paralysis)	C	BIO®12.14/Bio*§	Bio
<i>sz</i> (Seizure)	C	BIO®86.93/Bio*§	Bio
<i>Wh</i> (Anophthalmia)	C	BIO®72.29/Bio*§	Bio

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MICE (*Mus musculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19—	Surgical Modifications Available	Code
CF1®*				
Can:COBS®CF 1®*	BR	75	adr, cas, hyp, ova, thy	Can
Crl:COBS®CF 1®*	BR, DF,	35	adr, cas, hyp, ova, thy	Crl
Mcr: CF1®*	C	—		Mcr
Sas:CF1 ^{A0174>*}	C	78 & 79 (two colonies)		Sas
Sch:CF1®*	BR, GF, GN	73		Sch
HAUSCHKA INSTITUTE FOR CANCER RESEARCH HA(ICR)				
Blu:HA(ICR)	BR	58	adr, cas, hyp, ova	Blu
Cam:HA(ICR)	C	65	adr, cas, ova	Cam
Cum:HA(ICR)	BR	60		Cure
Spb:HA(ICR)	C	68		Spb
INSTITUTE FOR CANCER RESEARCH (ICR)				
Cam:(ICR)	C	65		Cam
Can:COBS®C D®-1(ICR)*	BR	70	adr, cas, hyp, ova, thy	Can
Crl:(CD®-1 (ICR)*	BR, DF,	59	adr, cas, hyp, ova, thy	Crl
Dub:(ICR)	C	58	adr, cas, ova, pan, thy	Dub

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MICE (*Mus musculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
INSTITUTE FOR CANCER RESEARCH (ICR)				
Fln:FRF-2 (ICR)	C	60		Fln
Haf:(ICR)	C	70		Haf
Hap:(ICR) _f	BR, DF, GF, GN	65	adr, cas, hyp, nep, ova, thy	Hap
Hla:(ICR)	BR	67		Hla
Lai:COX(ICR)	BR, DF, GF	60		Lai
Pep:(ICR)	C	67		Pep
Roc:(ICR)	C	—		Roc
Roy:(ICR)	C	53		Roy
Saf:(ICR)	BR	61		Saf
Sch:(ICR)	BR, GF, GN	56		Sch
Sim:(ICR) _f	BR	72		Sire
Tex:(ICR) _f	BR, DF, GF, GN	69		Tex
SWISS (S)				
Hap:ND/4(S) _f	BR, DF, GF, GN	72	adr, cas, hyp, nep, ova, thy	Hap
Lai:COX NIH (S)	BR, DF, GF	75		Lai
Mai:NIH(S)	BR	68		Mai
Roc:(S)	C	—		Roc

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MICE (*Mus musculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
SWISS WEBSTER (SW)				
Anp:(SW)	C	—		Anp
Bil:(SW)	C	60	cas, ova	Bil
Cam:(SW)	C	65		Cam
Crl:COBS®CFW®(SW)*	BR, DF, GF	37	adr, cas, hyp, ova, thy	Crl
Hla:(SW)	BR	67		Hla
Lai:COX(SW)	BR, DF, GF	50		Lai
Mcr:COX(SW)	C	—		Mcr
Roc:(SW)	C	—		Roc
Sim:(SW) _f	BR	56		Sim
Suo:(SW)	C	56		Suo
Sut:(SW)	C	37		Sut
Tac:(SW) _f	BR	40	adr, cas, hyp, ova, pan, para, thr, thy, others	Tac
OTHER STOCKS				
Akl:AK	C	62		Akl
Lai:COX (STANDARD)	BR, DF, GF	37		Lai

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MICE (*Mus musculus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
A/HeCum	BR			Cum
A/HeJ	BR	176		Jax
A/J	BR	172		Jax
A/WySn	BR	164		Jax
AKR/Cum	BR			Cum
AKR/J	BR	136		Jax
AKR/J _{th} [J74]	BR	136		Jax
AU/SsJ	BR	41		Jax
BALB/	BR	34		Mai
cAnCrMai _f				
BALB/	BR, DF, GN	4		Hap
cAnHap _f				
BALB/	BR, DF, GF	6	adr, cas, hyp, ova, thy	CrI
cAnNCrI				
BALB/	BR	9		Saf
cAnNSaf				
BALB/	BR	39		Sire
cAnSim _f				
BALB/	BR, DF, GF, GN	5-10		Tex
cAnTex _f				
BALB/cByJ	BR	145		Jax
BALB/cCox	BR, DF, GF	144		Lai
BALB/cCum	BR			Cum
BALB/cDub	C	56	adr, cas, ova, pan, thy	Dub
BALB/cJ	BR	128		Jax
BDP/J	BR	101		Jax
BUB/BnJ	BR	101		Jax

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MICE (*Mus musculus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
CBA/CaJ	BR	93		Jax
CBA/Cum	BR			Cum
CBA/H-T6J	BR	65		Jax
CBA/J	BR	172		Jax
CE/J	BR	78		Jax
C3H/AnCum _f	BR			Cum
C3H/BiMai _f	BR	42		Mai
C3H/BiSim	C	49		Sim
C3H/HeCox	BR, DF, GF	135		Lai
C3H/HeDub	C	45	adr, cas, ova, pan, thy	Dub
C3H/HeHap _f	BR, DF, GF, GN	4	adr, cas, hyp, nep, ova, thy	Hap
C3H/HeJ	BR	156		Jax
C3H/HeJ _{fh} [J67]	BR	142		Jax
C3H/HeNCrl	BR, DF, GF	10	adr, cas, hyp, ova, thy	Crl
C3H/HeSch	GF, GN	33		Sch
C3H/HeSn	BR	94		Jax
C3H/HeTex _f	BR, DF, GF, GN	3-10		Tex
C3H/NCrlCan	BR			Can
C3HeB/FeJ	BR	101		Jax
C57BL/Cum	BR			Cum
C57BL/KsJ	BR	44		Jax

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MICE (*Mus musculus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
C57BL/6By	BR	108		Jax
C57BL/6Cox	BR, DF, GF	130		Lai
C57BL/6Cum	BR			Cum
C57BL/6Hap _f	BR, DF, GF, GN	5	adr, cas, hyp, nep, ova, thy	Hap
C57BL/6J	BR	128		Jax
C57BL/6J _{fh} [J67]	BR	123		Jax
C57BL/6Mai _f	BR	38		Mai
C57BL/6NCrl	BR, DF, GF	5	adr, cas, hyp, ova, thy	Crl
C57BL/6NCrlCan	BR		adr, cas, hyp, ova, thy	Can
C57BL/6NSaf	BR	9		Saf
C57BL/6Sch	BR, GF, GN	21		Sch
C57BL/6Sim	C	25		Sim
C57BL/6Tex _f	BR, DF, GF, GN	2-12		Tex
C57BL/10J	BR	135		Jax
C57BL/10Sn	BR	113		Jax
C57BR/cdJ	BR	162		Jax
C57L/J	BR	139		Jax
C58/J	BR	175		Jax
DBA/1J	BR	96		Jax
DBA/2Cox	BR, DF, GF	130		Lai

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MICE (*Mus musculus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
DBA/2Cum	BR			Cum
DBA/2DeJ	BR	116		Jax
DBA/2Hap _f	BR, DF, GN	3		Hap
DBA/2J	BR	127		Jax
DBA/2J _{th} [J67]	BR	126		Jax
DBA/2Mai _f	BR	41		Mai
DBA/2NCrl	BR, DF,	6	adr, cas, hyp, ova, thy	Crl
DBA/2NSaf	BR	7		Saf
DBA/2CrSch	BR, GF, GN	17		Sch
DBA/2Sim	C	30		Sim
DBA/2Tex _f	BR, DF, GF, GN	3-10		Tex
DDS/Cox	BR, DF, GF	85		Lai
I/LnJ	BR	61		Jax
LG/J	BR	75		Jax
LP/J	BR	103		Jax
MA/MyJ	BR	106		Jax
NZB/BINJ	BR	99		Jax
P/J	BR	132		Jax
PL/J	BR	108		Jax
RF/J	BR	89		Jax

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MICE (*Mus musculus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
RIIS/J [formerly RIII/2J]	BR	36		Jax
SEA/GnJ	BR	121		Jax
SEC/IRcJ	BR	119		Jax
SJL/J	BR	82		Jax
SM/J	BR	88		Jax
ST/bJ	BR	122		Jax
SWR/J	BR	126		Jax
129/J	BR	78		Jax
129/Sv	BR	35		Jax

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MICE (*Mus musculus*) Congenic Resistant Strains

Strain Designation	Microbiological Status	Surgical Modifications Available	Code
A.By/Sn	BR	26	Jax
A.SW/Sn	BR	23	Jax
B6.C-H-2ba/By	BR	38	Jax
B10.A/SgSn	BR	43	Jax
B10.A(2R)/SgSn	BR	41	Jax
B10.A(5R)/SgSn	BR	35	Jax
B10.AKM/Sn	BR	30	Jax
B10.BR/SgSn	BR	40	Jax
B10.D2/nSn	BR	55	Jax
B10.D2/oSn	BR	73	Jax
C3H-H-20/SfSn	BR	26	Jax
C3H.SW/Sn	BR	20	Jax

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RODENTS

MICE (*Mus musculus*) Hybrid

Hybrid Designation	Microbiological Status	Parental Strains	Surgical Modifications Available	Code
AKD2F ₁	BR	AKR/J × DBA/2J		Jax
BC3F ₁	BR	C57BL/Cum × C3H/AnCum _f		Cure
B6AF ₁	BR	C57BL/6J × A/J		Jax
B6CBF ₁	BR	C57BL/6Cum × CBA/Cum		Cure
B6C3F ₁	BR, DF	C57BL/6NCrl × C3H/HeNCrl		Crl
B6C3F ₁	BR	C57BL/6Cum × C3H/AnCum _f		Cure
B6C3F ₁	BR	C57BL/6Hap × C3H/HeHap	adr, cas, hyp, nep, ova, thy	Hap
B6D2F ₁	BR	C57BL/6Cum × DBA/2Cum		Cum
B6D2F ₁	BR	C57BL/6J × DBA/2J		Jax
B6D2F ₁	BR, DF, GF	C57BL/6Cox × DBA/2Cox		Lai
B6D2F ₁	BR	C57BL/6NSaf × DBA/2NSaf		Saf
B6D2F ₁	BR, GF	C57BL/6Sch × DBA/2CrSch		Sch
B6D2F ₁	C	C57BL/6Sim × DBA/2Sim		Sire
B6D2F _{1f}	BR, DF, GN	C57BL/6Tex × DBA/2Tex		Tex
CAF ₁	BR	BALB/cCum × A/HeCum		Cum
CAF ₁	BR	BALB/cJ × A/J		Jax
CB6F ₁	BR	BALB/cJ × C57BL/6J		Jax
CD2F ₁	BR	BALB/cCum × DBA/2Cum		Cure
CD2F ₁	BR	BALB/cAnHap × DBA/2Hap	adr, cas, hyp, nep, ova, thy	Hap
CD2F ₁	BR, DF, GF	BALB/cCox × DBA/2Cox		Lai
CD2F ₁	BR	BALB/cAnNSaf × DBA/2NSaf		Saf

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MICE (*Mus musculus*) Hybrid

Hybrid Designation	Microbiological Status	Parental Strains	Surgical Modifications Available	Code
C3BF ₁	BR	C3H/ AnCum _r × C57BL/ Cum		Cum
C3D2F ₁	BR	C3H/HeJ × DBA/2J		Jax
LAF ₁	BR	C57L/J × A/HeJ		Jax

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MICE (*Mus musculus*) Mutant

Mutant Designation		Microbiological Status	Stock or Strain On Which It is Carried	Code
<i>A^y</i>	(Yellow)	BR	C57BL/6J- <i>A^y/a</i>	Jax
<i>bg^J</i>	(Beige)	BR	C57BL/6J- <i>dg^J</i>	Jax
<i>c^{2J}</i>	(Albino-2J)	BR	C57BL/6J- <i>c^{2J}</i>	Jax
<i>db</i>	(Diabetes—Closely linked [in repulsion] with Misty, m, a coat color gene)	BR	C57BL/KsJ- <i>db</i> +/ <i>+</i> <i>m</i>	Jax
<i>dw</i>	(Dwarf)	BR	DW/J- <i>dw</i>	Jax
<i>dy</i>	(Dystrophia muscularis)	BR	C57BL/6J- <i>dy</i>	Jax
<i>dy^{2J}</i>	(Dystrophia muscularis-2J)	BR	129/ReJ- <i>dy</i>	Jax
		BR	129B6F ₁ /J- <i>dy</i>	Jax
		BR	C57BL/6J- <i>dy^{2J}</i>	Jax
<i>hr</i>	(Hairless)	BR	HRS/J- <i>hr</i>	Jax
<i>nu</i>	(Nude)	BR, DF, GF, GN	Hap:NIH(S)- <i>nu_f</i>	Hap
		BR, DF, GF	Lai:COX NIH (S)- <i>nu</i>	Lai
		GF, GN	Sch:(BALB/cAnBom)- <i>nu</i>	Sch
<i>ob</i>	(Obese)	GN	Tac:NIH(S)- <i>nu</i>	Tac
		C	C57BL/6J- <i>ob</i>	Fab
		BR	C57BL/6J- <i>ob</i>	Jax
<i>Sl</i>	(Steel)	BR	WC/Re- <i>Sl/+</i>	Jax
<i>Sl^d</i>	(Steel-Dickie)	BR	C57BL/6J- <i>Sl^d/+</i>	Jax
<i>W</i>	(Dominant spotting)	BR	WB/ReJ- <i>W/+</i>	Jax
<i>W^v</i>	(Viable dominant spotting)	BR	C57BL/6J- <i>w^v/+</i>	Jax

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
BUFFALO (BUF)				
Mr:(BUF)	BR	—	cas	Mlr
HOLTZMAN SPRAGUE-DAWLEY® H(SD)*				
CrI:COES®CD ®H(SD)**	BR, DF, GF	75	adr, cas, hyp, ova, thy	CrI
Hot:H(SD)	C	—		Hot
Sas:H(SD)	C	66		Sas
LONG EVANS (LE)				
Blu:(LE)	BR	64	adr, cas, hyp, ova, thr	Blu
Can:COBS® (LE)**	BR	71	adr, cas, hyp, ova, thy	Can
Haf:(LE)	C	70		Haf
Mar:MFL(LE)	BR	63	adr, cas, hyp, ova, thy, Grollman modification	Mlr
Mlr:(LE)	BR	—	cas	Mlr
Pep:(LE)	C	65		Pep
Roc:(LE)	C	—		Roc
Sim:(LE)	BR	49	adr, cas, hyp, ova, pan, thy	Sim

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** COBS® and CD® are registered trademarks of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
<hr/>				
MUNICH WISTAR MUN(WI)				
Tex :MUN (WI) _f	BR, DF GF, GN	76		Tex
OSBORNE MENDEL (OM)				
Cam:(OM)	C	53	adr, cas, hyp, ova, pan, thy, parabiosis	Cam
Roc:(OM)	C	—		Roc
SHERMAN (SH)				
Blu:(SH)	BR	73	adr, cas, hyp, ova, thr	Blu
Cam:(SH)	C	53	adr, cas, hyp, ova, pan, thy, parabiosis	Cam
Roc:(SH)	C	—		Roc
SPONTANEOUSLY HYPERTENSIVE (SHR)				
Tac:N(SHR) _f	BR	—	adr, cas, hyp, ova, pan, thy, others	Tac
SPRAGUE-DAWLEY®(SD)*				
Anp:(SD)	C	—		Anp
Bil:(SD)	C	67	cas, ova	Bil

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
SPRAGUE-DAWLEY®(SD)*				
Blu:(SD)	BR	54	adr, cas, hyp, ova, thr	Blu
Cam:(SD) _f	BR, DF GF, GN	76	adr, cas, hyp, ova, pan, thy, parabiosis	Cam
Can:COBS®CD®(SD)**	BR	70	adr, cas, hyp, ova, thy	Can
Crl:COBS®CD®(SD)**	BR, DF, GF	50	adr, cas, hyp, ova, thy	Crl
Dub:(SD)	C	70	adr, cas, ova, pan, thy	Dub
Fab:(SD) [¶]	C	—	adr, cas, ova	Fab
Haf:(SD)	C	67		Haf
Hap:(SD) _f	BR, DF, GF, GN	75	adr, cas, hyp, nep, ova, para, thr, thy	Hap
Hla:(SD)	BR	72		Hla
Kng:(SD)	BR	77		Kng
Lai:COX(SD)	BR, DF, GF	67		Lai
Mac:ML(SD) [§]	C	58		Mac

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[¶] Timed and untimed pregnant females available.

[§] Mackesey Laboratories (Mac) accepts standing orders only.

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
SPRAGUE-DAWLEY®(SD)*				
Mar:MFS(SD) [¶]	BR	77	adr, cas, hyp, ova, thy, Grollman modification	Mar
Mcr:(SD)	C	—		Mcr
Pep:(SD)	C	65		Pep
Roc:(SD)	C	—		Roc
Saf:(SD)	BR	66		Saf
Sas:(SD)	DF	79		Sas
Sch:SPRAGUE-DAWLEY®(SD)*	BR, GF	29		Sch
Sim:(SD) _f	BR, DF, GN	58	adr, cas, hyp, ova, pan, thy	Sim
Spb:(SD)	C	63	cas, ova, thy	Spb
Suo:(SD)	C	54		Suo
Tac:N(SD) _f	BR	—	adr, cas, hyp, ova, pan, thy, others	Tac
Tex:(SD) _f	BR, DF, GF, GN	69		Tex
Zml:ZM(SD) _f [§]	BR	67	adr, cas, hyp, ova, pan, thy, others	Zml

* Sprague-Dawley® is a registered trademark of The Mogul Corporation, Chagrin Falls, Ohio.

[¶] Timed and untimed pregnant females available. Arrangements can be made for animals to be held up to 24 months of age.

[§] Timed pregnant females and animals over 18 months of age available.

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
WISTAR (WI)				
Anp:(WI)	C	—		Anp
Cam:(WI)	C	64	adr, cas, hyp, ova, pan, thy, parabiosis	Cam
Can:COBS® (WI)**	BR	74	adr, cas, hyp, ova, pan, thy	Can
Crl: COBS® (WI)**	BR, DF, GF	75	adr, cas, hyp, ova, thy	Crl
Fab:(WI) [†]	C	—	adr, cas, ova	Fab
Hap:(WI) _f	BR, DF, GF, GN	46	adr, cas, hyp, nep, ova, para, thr, thy	Hap
Hla:(WI)	BR	56		Hla
Lai:COX(WI)	BR, DF, GF	69		Lai
Mar:MFW(WI) ^{‡§}	BR	72	adr, cas, hyp, ova, thy, Grollman modification	Mar
Pep:(WI)	C	69		Pep
Roc:(WI)	C	—		Roc
Roy:(WI)	C	45		Roy
Sim:(WI)	BR	57	adr, cas, hyp, ova, pan, thy	Sim

** COBS® is a registered trademark of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

[†] Timed and untimed pregnant females available.

[§] Arrangements can be made for animals to be held up to 24 months of age.

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RATS (*Rattus norvegicus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
WISTAR (WI) Wbs:(WI) [linebred]	C	74		Wbs
WISTAR KYOTO (WKY) [@] Tac:N(WKY) _f	BR	—	adr, cas, hyp, ova, pan, thy, others	Tac

[@] Control animals for Spontaneously Hypertensive (SHR) rats.

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RATS (*Rattus norvegicus*) Partially Inbred

Strain Designation	Microbiological Status	Number of Generations of Inbreeding	Surgical Modifications Available	Code
LONG EVANS (LE)				
Mlr:(LE)	BR	8	cas	Mlr
SPRAGUE-DAWLEY®(SD)*				
Mlr:(SD)	BR	8	cas	Mlr

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RATS (*Rattus norvegicus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
ACI				
ACI/Cox	BR, DF, GF	100		Lai
ACI/Hap _f	BR, DF, GN	5	adr, cas, hyp, nep, ova, para, thr, thy	Hap
ACI/Mai _f	BR	98		Mai
ACI/Sim	C	32	adr, cas, hyp, ova, pan, thy	Sire
BROWN NORWAY (BN)				
BN/Mai _f	BR	41		Mai
BUFFALO (BUF)				
BUF/Cox	BR, DF, GF	96		Lai
BUF/Maif	BR	76		Mai
BUF/Sim	C	47	adr, cas, hyp, ova, pan, thy	Sim
BUF/Tex _f	BR, DF, GF, GN	10-15		Tex
FISCHER 344 (F344)				
COBS®CDF®F344/Crl**	BR, DF, GF	22	adr, cas, hyp, ova, thy	Crl

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RATS (*Rattus norvegicus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
FISCHER 344 (F344)				
F344/Cox	BR, DF, GF	128		Lai
F344/Hap _f	BR, DF, GF, GN	3	adr, cas, hyp, nep, ova, para, thr, thy	Hap
F344/Mai _f	BR	112		Mai
F344/Sch	BR, GF, GN	26		Sch
F344/Sim _f	BR	41	adr, cas, hyp, ova, pan, thy	Sim
GENETICALLY HYPERTENSIVE (GH)				
GH/Zml	BR	20+	adr, cas, hyp, ova, pan, thy, others	Zml
LEWIS (LEW)				
COBS®LEW/Crl**	BR, DF, GF	52	adr, cas, hyp, ova, thy	Crl
LEW/Mai _f	BR	79		Mai
MAXX				
MAXX/Mai _f	BR	28		Mai

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RATS (*Rattus norvegicus*) Inbred

Strain Designation	Microbiological Status	Present F Number	Surgical Modifications Available	Code
SPONTANEOUSLY HYPERTENSIVE (SHR)				
COBS®SHR/ NCrl** SHR/ Cox	BR, DF, GF		adr, cas, hyp, ova, thy	Crl
SHR/Cox	BR, DF, GF	41		Lai
SPRAGUE-DAWLEY®(SD)*				
MLSI (SD)/ Mac§	C	80		Mac
WISTAR FURTH (WF)				
WF/Mai _f	BR	62		Mai
WF/Sch _f	BR, GF, GN	29		Sch
WISTAR KYOTO (WKY)@				
COBS®WKY/ NCrl**	BR, DF, GF		adr, cas, hyp, ova, thy	Crl
WKY/Cox	BR, DF, GF	15		Lai

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** COBS§ is a registered trademark of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

§ Mackesey Laboratories (Mac) accepts standing orders only.

@ Control animals for Spontaneously Hypertensive (SHR) rats.

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RATS (*Rattus norvegicus*) Hybrid

Hybrid Designation	Microbiological Status	Parental Strains	Code
LBNF ₁	BR	LEW/Mai × BN/Mai	Mai

RATS (*Rattus norvegicus*) Mutant

Mutant Designation		Microbiological Status	Surgical Modifications Available	Code
<i>j</i>	(Jaundice or Gunn)	BR	adr, cas, hyp, ova, thr	Blu
<i>fa</i>	(Fatty or Zucker)	C	adr, cas, hyp, pan, thy	Fab
<i>di</i>	(Diabetes insipidus or Brattleboro)	BR	adr, cas, hyp, ova	Blu
GH	(Genetically hypertensive)	See inbred rat listing.		
SHR	(Spontaneously hypertensive)	See inbred and outbred rat listings.		

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Lagomorphs

Footnote symbols are used consistently in this section, as follows:

* or ** indicate companies holding registered trademarks;

¶ indicates timed and untimed pregnant females available;

§ is used for footnotes other than those listed above.

The terms used in this section are defined in the "Terms and Definitions" section and are abbreviated as follows:

Microbiological status:

C	conventionally reared	BR	barrier reared or specific pathogen free (SPF)
DF	defined flora		

Surgical modifications available:

adr	adrenalectomy	ova	ovariectomy
cas	castration		

OUTBRED, LINEBRED, AND PARTIALLY-INBRED STOCK INFORMATION

BREED OR STOCK DESIGNATION: "International Standardized Nomenclature for Outbred Stocks of Laboratory Animals," International Committee on Laboratory Animals (ICLA) Bulletin, No. 30, March 1972, has been used in designating these animals. Copies of this bulletin are available from the Institute of Laboratory Animal Resources (ILAR), 2101 Constitution Avenue, N.W., Washington, D.C. 20418.

- Letters preceding the colon designate the supplier/breeder code consisting of a capital and two or three lower case letters.
- Capital letters following the colon are used by a breeder to identify his stock.

- Letters in parentheses denote origin of stock.

MICROBIOLOGICAL STATUS: Abbreviations are listed on the previous page. Explanations are provided in the "Terms and Definitions" section.

COLONY CLOSED 19—: Year after which no new animals were introduced into the colony.

SURGICAL MODIFICATIONS AVAILABLE: Surgical modifications of animals that can be provided by suppliers by arrangement. *The abbreviations* used are listed on the previous page.

GENERATION NUMBER: Current generation of inbreeding.

CODE: Code designations for suppliers. Names, addresses, and phone numbers for suppliers are listed in the final section of the book.

RABBITS (*Oryctolagus cuniculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
CALIFORNIAN (CA)				
Blr:(CA)	C	—		Blr
Krr:(CA)	C	75		Krr
DUTCH (DU)				
Anp:(DU)	C	—		Anp
Cbr:(DU)	C	—		Cbr
Drb:(DU)	C	—		Drb
Gin:(DU)	C	—		Gin
[various colors]				
Lbt:(DU)	C	76		Lbt
[black]				
Lbt:(DU)	C	77		Lbt
[chocolate]				
Ncy:(DU)	C	78		Ncy
[various colors]				
Nor:(DU)	C	—		Nor
[tortoise]				
Roc:(DU)	C	—		Roc
Thr:(DU)	C	—		Thr
FLEMISH GIANT (FG)				
Lbt:(FG)	C	—		Lbt
Thr:(FG)	C	—		Thr
NEW ZEALAND BLACK (NZB)				
Drb:(NZB)	C	—		Drb
Thr:(NZB)	C	—		Thr

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RABBITS (*Oryctolagus cuniculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
NEW ZEALAND RED (NZR)				
Drb:(NZR)	C	—		Drb
Nor:(NZR)	C	—		Nor
Thr:(NZR)	C	—		Thr
NEW ZEALAND WHITE (NZW)				
Aar:(NZW)	C	76		Aar
Abc:(NZW)	C	—		Abc
Anp:(NZW)	C	—		Anp
Bar:(NZW)	C	57		Bar
Bed:(NZW)	C	74		Bed
Bei:(NZW)	C	—		Bei
Bkp:(NZW)	BR	75		Bkp
Blr:(NZW)	C	—		Blr
Can:(NZW)	BR	72		Can
Cbr:(NZW)	C	—		Cbr
Clf:(NZW)	C	73		Clf
CrI:COBS® (NZW)*	BR	69		CrI
Dbb:(NZW)	C	—		Dbb
Dla:(NZW)¶	BR	73	adr, cas, ova	Dla

* COBS® is a registered trademark of The Charles River Breeding Laboratories, Inc., Wilmington, Massachusetts.

¶ Timed and untimed pregnant females available.

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RABBITS (*Oryctolagus cuniculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
NEW ZEALAND WHITE (NZW)				
Dmf:(NZW)	C	72		Dmf
Drb:(NZW)	C	—		Drb
Dsk:(NZW)	C	—		Dsk
Emr:(NZW)	C	—		Emr
Fiv:(NZW)	C	—		Fly
Fli:(NZW)	C	—		Fli
Frr:(NZW)	C	—		Frr
Gin:(NZW)	C	—		Gin
Gok:(NZW)	C	—		Gok
Hae:HARE (NZW) [§]	C	69		Hae
Hae:(NZW) [§]	BR, DF	76		Hae
Ils:(NZW)	C	70		Ils
Kel:(NZW)	C	—		Kel
Krr:(NZW)	C	75		Krr
Lba:(NZW)	C	—		Lba
Lbt:(NZW)	C	74		Lbt
Lom:(NZW)	C	—		Lom
Mar:(NZW)	C	—		Mar
Mec:(NZW)	C	—		Mec
Ncy:(NZW)	C	78		Ncy

[§] Timed pregnant females available. Animals held up to 5 years by arrangement.

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RABBITS (*Oryctolagus cuniculus*) Outbred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
NEW ZEALAND WHITE (NZW)				
New:(NZW)	C	77		New
Nor:(NZW)	C	—		Nor
Omf:(NZW)	C	77		Omf
Pep:(NZW)	C	—		Pep
Pon:(NZW)	C	—		Pon
Roc:(NZW)	C	—		Roc
Ror:(NZW)	C	—		Ror
Rsh:(NZW)	C	—		Rsh
Scu:(NZW)	C	—		Scu
Sko:(NZW)	C	—		Sko
Skp:(NZW)	C	76		Skp
Ssi:(NZW)	C	70		Ssi
Suo:(NZW)	C	—		Suo
Swf:(NZW)	C	—		Swf
Thr:(NZW)	C	—		Thr
Vin:(NZW)	C	—	cas	Vin
OTHER STOCKS				
Abc: (REX) [various colors]	C	—		Abc
Blr: (REX) [various colors]	C	—		Blr
Thr: (AMERICAN CHECKERED GIANT)	C	—		Thr

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RABBITS (*Oryctolagus cuniculus*) Linebred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
CALIFORNIAN (CA)				
Mgf:(CA)	C	—		Mgf
DUTCH (DU)				
Cam:(DU)	C	—	cas, ova	Cam
[various colors]				
Dla:(DU) [¶]	BR	76	adr, cas, ova	Dla
Lsr:(DU)	C	77		Lsr
[various colors]				
NEW ZEALAND BLACK (NZB)				
Mgf:(NZB)	C	—		Mgf
NEW ZEALAND RED (NZR)				
Lsr:(NZR)	C	77		Lsr
Mgf:(NZR)	C	—		Mgf
NEW ZEALAND WHITE (NZW)				
Brf:(NZW)	C	73		Brf
Cam:(NZW)	C	—	cas, ova	Cam
Faz:(NZW)	C	—		Faz
Fra:(NZW)	C	68		Fra
Kwr:(NZW)	C	68		Kwr
Lba:(NZW)	C	—		Lba
Lsr:(NZW)	C	77		Lsr

[¶] Timed and untimed pregnant females available

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RABBITS (*Oryctolagus cuniculus*) Linebred

Stock Designation	Microbiological Status	Colony Closed 19	Surgical Modifications Available	Code
NEW ZEALAND WHITE (NZW)				
Mgf:(NZW)	C	—		Mgf
Ssi:(NZW)	C	70		Ssi
Trf:TZ(NZW)	C	68		Trf
Trt:(NZW)	C	—		Trt
Wbs:(NZW)	C	59		Wbs
Whw:(NZW)	C	73		Whw
OTHER STOCKS				
Mgf: (FRENCH LOP)	C	—		Mgf
Mgf:(REX)	C	—		Mgf
Mgf:(SATIN)	C	—		Mgf

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RABBITS (*Oryctolagus cuniculus*) Partially Inbred

Stock Designation	Microbiological Status	Generation Number	Code
DUTCH (DU)			
Nor:(DU) [tortoise]	C	5	Nor
NEW ZEALAND RED (NZR)			
Nor:(NZR)	C	5	Nor
NEW ZEALAND WHITE (NZW)			
Cbr:(NZW)	C	7	Cbr
Nor:(NZW)	C	5	Nor
RABBITS (<i>oryctolagus cuniculus</i>) Cross of Linebred Stocks			
Designation	Microbiological Status	Surgical Modifications Available	Code
Dla:(DU) × Dla: (NZW) [¶]	BR	adr, cas, ova	Dla

[¶] Timed and untimed pregnant females available.

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Carnivores

In this section, information on cats and dogs is separated into listings of colony-reared and random-source animals. The description, "from AKC registered stock," is used to describe those dogs that are qualified for registration with the American Kennel Club (New York, NY) but have not been registered individually. The letters UKC refer to the United Kennel Club, Kalamazoo, MI.

CATS (*Felis catus*) Colony Bred

Breed or Stock Designation	Mating System	Immunized	Comments	Code
Domestic Shorthair	outbred	yes	specific pathogen free "Mill Hill" cats; timed pregnant females available; vaccinations: panleu-kopenia, others on request	Lil
	linebred	yes	specific pathogen free "Mill Hill" cats; timed pregnant females available; vaccinations: panleu-kopenia, others on request surgical modifications: on request	Bar
yes		The		
Persian	partially inbred	yes		Bar
	linebred	yes		Bar
	partially inbred	yes		Bar

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CATS (*Felis catus*) Random Source

Breed or Stock Designation	Conditioned	Immunized	Comments	Code
Domestic Shorthair	yes	yes		Anp
		yes	declawed	Fab
		yes	surgical modifications: adr, cas, hyp, ova, pan, thy	Gct
		no		Gin
		yes		Hip
		yes		Mog
		yes		Pcc
	no	yes		Rrr
		yes		Sla
		yes		Thr
		on request		Anp
		no		Bma
		no		Cla
		yes		Mbf
		pregnant animals or dated litters sometimes available; non-immunized animals available on request	Pcc	
		on request	Thr	
Persian	yes	yes		Mog
Siamese	yes	yes		Mog

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DOGS (*Canis familiaris*) Colony Bred

Breed or Stock Designation	Mating System	Immunized	Comments	Code
Beagle (AKC reg.)	outbred	on request	surgical modifications: on request	Thr
	linebred	yes		Bar
	partially inbred	yes		Bar
Beagle (from AKC reg. stock)	outbred	yes		Bar
		yes	available within 400-mile radius of supplier	Cou
		yes	surgical modifications: on request	Lre
Beagle	linebred	yes	parasite-naive	Mra
		yes	surgical modifications: cas, ova, pan, other	Wel
		yes	minor procedures	Rdg
Beagle	partially inbred	yes	parasite-naive	Wel
	outbred	on request	surgical modifications: on request	The
	linebred	on request	surgical modifications: on request	The
Coonhound (UKC reg.)	partially inbred	yes	debarking	Hra
	linebred	yes		Bar
Coonhound	partially inbred	yes		Bar
	linebred	yes		Bar
Foxhound (UKC reg.)	linebred	yes		Bar
	partially inbred	yes		Bar

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CARNIVORES

DOGS (*Canis familiaris*) Colony Bred

Breed or Stock Designation	Mating System	Immunized	Comments	Code
Foxhound, Walker	outbred	yes	all animals are blood type A negative	Bri
Labenji (cross of four breeds)	linebred	yes		Uohs
Labrador Retriever (eligible for AKC reg.)	linebred	yes		Uohs
Mixed Breed	outbred	yes	animals cesarean derived	Wel
	linebred	yes		Bar
	partially inbred	yes	animals cesarean derived	Bar Wel

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DOGS (*Canis familiaris*) Random Source

Breed or Stock Designation	Conditioned	Immunized	Comments	Code	
Beagle (some AKC reg.)	no	yes	transportation to be arranged by buyer	Dak	
Coonhound (some UKC reg.)	no	yes	transportation to be arranged by buyer	Dak	
Mixed Breed	yes	yes		Anp	
		yes		Bma	
		yes		Cla	
		yes		Hay	
		yes	debarking on request	Hip	
		yes		Hlc	
		yes		Rrr	
		yes	debarking	Sla	
		on request	on request	surgical modifications: cas, ova	Day
		no	on request		Gok
	yes		Mbf		
	on request		Anp		
	on request		Cla		
	yes	transportation to be arranged by buyer	Dak		
	no		Mbf		

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Nonhuman Primates

The "Status" column of this section indicates which members of a listed species are endangered or threatened (U.S. Department of the Interior, Fish and Wildlife Service, 1979). Information and forms necessary for trading in endangered and threatened species can be obtained from the Federal Wildlife Permit Office, Fish and Wildlife Service, U.S. Department of the Interior, Washington, D.C. 20240.

The availability of wild-caught, nonhuman primates listed in this Directory may change as regulations of the exporting and importing countries change. Contact the Federal Wildlife Permit Office, at the above address, for current information.

Investigators should recognize that suppliers may not keep wild-caught, nonhuman primates "in stock," and that there may be considerable delay in obtaining these species.

The Primate Supply Information Clearinghouse, SJ-50, University of Washington, Seattle, Washington 98195, phone 206/543-5178, provides a computerized service to assist investigators locate nonhuman primates for research or breeding. This service is available at no cost through telephone inquiries and through weekly listings of available and needed non-human primates (whole animals and/or biologic materials).

In this section the following symbols have been used:

Source	CR	colony reared	WC	wild caught
Status	E	endangered	T	threatened

Primates are listed alphabetically under the headings of Old World and New World Species in the Index of Scientific Names at the back of this section.

REFERENCES

- Hershkovitz, P. 1977. Living New World monkeys. (Platyrrhini). Vol. 1. University of Chicago Press, Chicago. 1117 pp.
- Napier, J. R., and P. H. Napier. 1967. A handbook of living primates. Academic Press, London. 456 pp.

U.S. Department of the Interior, Fish and Wildlife Service. 1979. Title 50-Wildlife and Fisheries, Chapter 1, Part 17-Endangered and Threatened Wildlife and Plants. Federal Register 44 (12, Part II):3635-3654.

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NONHUMAN PRIMATES

Common Name	Scientific Name	Source	Country of Origin	Status	Code
BABOONS					
Baboon	<i>Papio spp.</i>	WC	Kenya		Sap
Baboon, Olive or Anubis	<i>Papio anubis</i>	WC	Kenya		Pic
Baboon, Yellow	<i>Papio cynocephalus</i>	WC	Kenya		Prl Pic
CAPUCHINS					
Capuchin	<i>Cebus spp.</i>	WC	Bolivia		Prl Sap Prl Sap Prl Sap Pic
Capuchin, Black-capped	<i>Cebus apella</i>	WC	Bolivia		Pic
Capuchin, White-fronted or Cinnamon Ringtail	<i>Cebus albifrons</i>	WC	Guyana		Sap
Capuchin, White-throated	<i>Cebus capucinus</i>	WC	Panama Panama		Sap Sap
GALAGOS					
Galago, Thick-tailed	<i>Galago crassicaudatus</i>	WC	Kenya		Prl
Galago or Bushbaby	<i>Galago senegalensis</i>	WC	Kenya		Pic
GELADAS					
Gelada	<i>Theropithecus gelada</i>	WC	Ethiopia	T	Prl

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NONHUMAN PRIMATES

Common Name	Scientific Name	Source	Country of Origin	Status	Code
MACAQUES					
Macaque, Assamese	<i>Macaca assamensis</i>	WC	Assam		Prl
Macaque, Cynomolgus, or Crab-eating	<i>Macaca fascicularis</i>	CR	—		Gct
		WC	— Indonesia		Gct Pic Prl Sap
			Malaysia		Pic Prl Sap
			Philippines		Pic Sap
Macaque, Pig-tailed	<i>Macaca nemestrina</i>	WC	Malaysia		Pic Prl Sap Gct
Macaque, Rhesus	<i>Macaca mulatta</i>	CR	India		Gct
		WC	Bangladesh		Lbi Gct *Moe Pic Prl
MARMOSETS					
Marmoset	<i>Callithrix</i> spp.	WC	Bolivia		Prl
Marmoset, Tufted-ear or Common	<i>Callithrix jacchus</i>	CR	Brazil		Tmf
		WC	Bolivia		Sap

* Unconditioned animals. The buyer takes possession of these animals in Bangladesh and arranges his own import permits.

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Common Name	Scientific Name	Source	Country of Origin	Status	Code
NIGHT MONKEYS					
Night Monkey or Douroucoul	<i>Aotus trivirgatus</i>	WC	Bolivia		Pic
			Guyana		Prl
			Panama		Prl
					Sap
PATAS MONKEYS					
Patas Monkey	<i>Erythrocebus patas</i>	WC	Kenya		Prl
			Nigeria		Pic
SPIDER MONKEYS					
Spider Monkey	<i>Ateles spp.</i>	WC	Bolivia	E [¶]	Prl
			Guyana		Prl
			Panama		Prl
					Sap
SQUIRREL MONKEYS					
Squirrel Monkey	<i>Saimiri sciureus</i>	CR	Guyana		Gct
		WC	Bolivia		Pic
		WC	Guyana		Sap
					Gct
					Prl
TAMARINS					
Tamarin, Cotton-top	<i>Saguinus oedipus</i>	CR	Colombia	E	Tmf

¶ The following members of this genus are endangered: *Ateles geoffroyi*, *Ateles geoffroyi frontatus*, and *Ateles geoffroyi panamensis*.

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NONHUMAN PRIMATES

Common Name	Scientific Name	Source	Country of Origin	Status	Code
TAMARINS					
Tamarin, Red-bellied	<i>Saguinus labiatus</i>	CR	—		Tmf
		WC	Bolivia		Pic Sap Tmf
Tamarin, Saddle-back, or Brown-headed	<i>Saguinus fuscicollis</i>	CR	Peru		Tmf
TREESHREWS					
Treeshrew, Common	<i>Tupaia glis</i>	WC	Thailand		Pic
					Prl
VERVETS					
Vervet, or African Green Monkey, or Grivet	<i>Cercopithecus aethiops</i>	WC	Ethiopia		Pic
					Prl
				Kenya	Pic
				St. Kitts	Prl
				Sierra Leone	Pic
				Somalia	Pic
				Tanzania	Prl

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INDEX OF SCIENTIFIC NAMES

Scientific Name	Common Name
OLD WORLD SPECIES	
<i>Cercopithecus aethiops</i>	Vervet or African Green Monkey
<i>Erythrocebus patas</i>	Patas Monkey
<i>Galago crassicaudatus</i>	Thick-tailed Galago
<i>Galago senegalensis</i>	Galago or Bushbaby
<i>Macaca assamensis</i>	Assamese Macaque
<i>Macaca fascicularis</i>	Cynomolgus or Crab-eating Macaque
<i>Macaca mulatta</i>	Rhesus Macaque
<i>Macaca nemestrina</i>	Pig-tailed Macaque
<i>Papio</i> spp.	Baboon
<i>Papio anubis</i>	Olive or Anubis Baboon
<i>Papio cynocephalus</i>	Yellow Baboon
<i>Theropithecus gelada</i>	Gelada
<i>Tupaia glis</i>	Common Treeshrew
NEW WORLD SPECIES	
<i>Ateles</i> spp.	Spider Monkey
<i>Aotus trivirgatus</i>	Night Mokey or Douroucouli
<i>Callithrix</i> spp.	Marmoset
<i>Callithrix jacchus</i>	Tufted-ear or Common Marmoset
<i>Cebus</i> spp.	Capuchin
<i>Cebus albifrons</i>	White-fronted Capuchin or Cinnamon Ringtail
<i>Cebus apella</i>	Black-capped Capuchin
<i>Cebus capucinus</i>	White-throated Capuchin

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INDEX OF SCIENTIFIC NAMES

Scientific Name	Common Name
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NEW WORLD SPECIES

<i>Saguinus fuscicollis</i>	Saddle-back or Brown-headed Tamarin
<i>Saguinus labiatus</i>	Red-bellied Tamarin
<i>Saguinus oedipus</i>	Cotton-top Tamarin
<i>Saimiri sciureus</i>	Squirrel Monkey

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Domestic Farm Mammals

Hybrids listed in this section are shown with the female parent first. The symbol used for surgical modification is:

cas	castration
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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
BURROS AND DONKEYS (<i>Equus asinus</i>)				
Burro	outbred	cas	conditioned on request	Tdm
Donkey	outbred	cas	conditioned on request	Tdm
CATTLE (<i>Bos taurus</i>)				
Angus	outbred	cas	calves available; conditioned on request	Tdm
Angus × Hereford	linebred; partially inbred			Bar
Crossbreed				
Charolais	outbred	cas	calves available; conditioned on request	Tdm
Guernsey	outbred	cas	calves available; conditioned on request	Tdm
Hereford	outbred	cas	calves available; conditioned on request	Tdm
Holstein	outbred	cas	calves available; conditioned on request	Tdm
Jersey	outbred	cas	calves available; conditioned on request	Tdm
Mixed Breeds	outbred		calves available; will immunize if antigen provided	Dla
Various Breeds	—		calves available	Cla
Various Crossbreeds	outbred	cas	calves available; conditioned on request	Tdm

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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
GOATS (<i>Capra hircus</i>)				
Alpine	outbred	cas	conditioned on request	Tdm
	outbred		state-certified free of tuberculosis & brucellosis within 30 days of shipment	Thr
La Mancha	outbred	cas	conditioned on request	Tdm
Nubian	outbred	cas	conditioned on request	Tdm
	outbred		state-certified free of tuberculosis & brucellosis within 30 days of shipment	Thr
Nubian × Toggenburg Crossbreed Pygmy	linebred; partially inbred			Bar
	outbred linebred; partially inbred	cas	females rarely available; vaccinated for enterotoxemia & tetanus; selenium and vit. E supplements given to prevent white muscle disease	Ils Uohs
Recorded Grades Saanen	outbred	cas	conditioned on request	Tdm
	outbred	cas	conditioned on request	Tdm

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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
<i>GOATS (Capra hircus)</i>				
Saanen	outbred		state-certified free of tuberculosis & brucellosis within 30 days of shipment	Thr
Toggenburg	outbred			Anp
	outbred	cas	conditioned on request	Tdm
	outbred		state-certified free of tuberculosis & brucellosis within 30 days of shipment	Thr
Mixed Breeds	outbred		will immunize if antigen provided	Dla
Various Breeds	outbred			Roc
	—	cas	conditioned on request	Adv
Various Crossbreeds	—	cas	conditioned on request	Cla
	outbred	cas	conditioned on request	Adv
	outbred	cas	conditioned on request	Tdm
<i>HORSES (Equus caballus)</i>				
Appaloosa × Quarter Horse Crossbreed	linebred; partially inbred			Bar
Grade (ponies)	outbred	cas		Tdm
Hackney (ponies)	outbred	cas		Tdm

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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
HORSES (<i>Equus caballus</i>)				
Hackney × Shetland Crossbreed (ponies)	linebred; partially inbred			Bar
Shetland (ponies)	outbred	cas		Tdm
Mixed Breeds	outbred		will immunize if antigen provided	Dla
Various Breeds	—			Cl
Various Crossbreeds (horses and ponies)	outbred			Tdm
SHEEP (<i>ovis aries</i>)				
Barbados	outbred	cas	dated pregnant ewes available	Neb
Cheviot	outbred		dated pregnant ewes available; conditioned on request	Tdm
Dorset	outbred		dated pregnant ewes available; conditioned on request	Tdm
Dorset × Suffolk Crossbreed	linebred; partially inbred			Bar
Hampshire	outbred		dated pregnant ewes available; conditioned on request	Anp Tdm
Rambouillet × Columbia Crossbreed	outbred	cas	dated pregnant ewes available	Neb

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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
SHEEP (<i>ovis aries</i>)				
Suffolk	outbred	cas	dated pregnant ewes available	Neb
	outbred		dated pregnant ewes available; conditioned on request	Tdm
Mixed Breeds	outbred		will immunize if antigen provided	Dla
Various Breeds	—	cas	conditioned on request	Roc Adv
	—			Cla
Various Crossbreeds	—	cas	conditioned on request	Adv
	outbred		dated pregnant ewes available; conditioned on request	Tdm
SWINE (<i>Sus scrofa</i>)				
Berkshire	outbred		piglets available; dated pregnant sows available	Tdm
Landrace	outbred		piglets available; dated pregnant sows available	Tdm
Pitman-Moore (Miniature)	inbred (46 generations)	cas, ova, pan, ova transplants	free of brucellosis, leptospirosis and pseudo rabies virus	Viv
TRF (Miniature)	linebred			Trf

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DOMESTIC FARM MAMMALS

Breed or Stock Designation	Mating System	Surgical Modifications Available	Comments	Code
SWINE (<i>Sus scrofa</i>)				
Yorkshire	outbred		piglets available; dated pregnant sows available	Tdm
Mixed Breeds	outbred			Roc
Various Breeds	—			Cla
Various Crossbreeds	linebred; partially inbred			Bar
	outbred		piglets available; dated pregnant sows available	Tdm

HYBRIDS

Common Name	Parental Species	Code
Mule	<i>Equus caballus</i> × <i>Equus asinus</i>	Tdm
Hinny	<i>Equus asinus</i> × <i>Equus caballus</i>	Tdm

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Domestic Fowl

More detailed information on domestic fowl may be found in the following reference:

Somes, R. G., Jr. 1978. Registry of poultry genetic stocks. A directory of specialized lines and strains, mutations, breeds and varieties of chickens, Japanese quail and turkeys in North America, England, France, Spain and the Netherlands. Bulletin 446. Storrs Agricultural Experiment Station, The University of Connecticut, Storrs. 76 pp.

A copy of the directory may be obtained by writing to Dr. Somes at the following address:

Dr. Ralph G. Somes, Jr.
Professor of Animal Genetics
Nutritional Sciences Department
University of Connecticut
Storrs, Connecticut 06268

DOMESTIC FOWL

Breed or Stock Designation	Mating System	Comments	Code
CHICKENS (<i>Gallus domesticus</i>)			
Bantam	Outbred		Thr
Comet	Crossbred	available in May	Hab
Cornish, Heavy White	Crossbred		Hab
Golden Buff [silver factor, White Plymouth Rock × Rhode Island Red]	Crossbred	available March-May; chicks, eggs, & embryos available	Hab
Leghorn	Outbred		Tdm
Leghorn, White	Linebred	immunizations: Marek's Disease	Cof
	Outbred		Roc
	—	animals available within 50 mile radius of Philadelphia; chicks, fertile eggs, & embryos available	Shw
	—	chicks & embryos available	Spa
Long Island Red	Outbred		Tdm
New Hampshire	Linebred	immunizations: Marek's Disease	Cof
New Hampshire Red	Outbred		Thr
Plymouth Rock, Barred	Linebred	"U.S. Pullorum-Typhoid clean;" immunizations: Newcastle Disease, Marek's Disease; chicks, eggs, & embryos available; custom hatching available	Hah
	Linebred	immunizations: Marek's Disease	Cof

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DOMESTIC FOWL

Breed or Stock Designation	Mating System	Comments	Code
CHICKENS (<i>Gallus domesticus</i>)			
Plymouth Rock, White	Linebred	immunizations: Marek's Disease	Cof
Rhode Island Red	Linebred	immunizations: Marek's Disease	Cof
	Linebred	"U.S. Pullorum-Typhoid clean;" breeders available; chicks, eggs, & embryos available; custom hatching available	Hah
Sex-Linked [Rhode Island Red x Barred Plymouth Rock]	Crossbred	chicks, eggs, & embryos available; custom hatching available	Hah
Silver [Rhode Island Red x silver factor, White Plymouth Rock]	Crossbred	chicks, eggs, & embryos available; custom hatching available	Hah
Mixed Breeds	Outbred		Roc Tdm Cla Hah
Various Breeds	—	immunizations: Marek's Disease, Newcastle Disease; chicks, eggs, & embryos available; custom hatching available	Lle
	—	supplies only fertile eggs; SPF, Cofal negative; immunizations: Marek's Disease (if requested)	Tow
	—	chicks, fertile eggs, & embryos available	
DUCKS			
Muscovy (<i>Cairina moschata</i>)	Outbred		Thr

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DOMESTIC FOWL

Breed or Stock Designation	Mating System	Comments	Code
DUCKS			
Pekin (<i>Anas platyrhynchos</i>)	Outbred		Thr
Mixed Breeds	Outbred		Roc
Various Breeds	—		Cla
GEESE (<i>Anser anser</i>)			
Grey Toulouse	—	goslings available in spring	Adv
	Outbred		Thr
White Embden	—	goslings available in spring	Adv
	Outbred		Thr
Mixed Breeds	Outbred		Roc
Various Breeds	Outbred		Cla
TURKEYS (<i>Meleagris gallopavo</i>)			
Bronze	Outbred		Thr
Nicholais	Outbred		Tdm
White	Outbred		Thr
Mixed Breeds	Outbred		Roc
			Tdm

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Other Vertebrates

Included in this section are mammals and birds less commonly used in research, as well as the amphibians, fishes, and reptiles. Topics in this section are arranged alphabetically by class and within classes. Insofar as is possible, the scientific and common names have been verified using references listed on the following page.

The vertebrates in this section are only a sample of the many animals supplied by each company. Even if the specific animal you require is not listed, it may still be available from one of the listed companies. Contact companies directly to discuss specific requirements.

Investigators should recognize that suppliers may not keep wild-caught animals "in stock," and there may be considerable delay in obtaining some species.

None of the animals in this section are included in the List of Endangered and Threatened Wildlife and Plants (U.S. Department of the Interior, Fish and Wildlife Service, 1979). Any trade in endangered or threatened animals requires a permit from the Federal Wildlife Permit Office, Fish and Wildlife Service, U.S. Department of the Interior, Washington, D.C. 20240. Contact them directly for information and appropriate forms.

Symbols used in this section are as follows:

Source	CR	colony reared	WC	wild caught
Availability	G	generally available	SU	available in summer
	W	available in winter	F	available in fall
	SP	available in spring		

Surgical modifications available:

adr	adrenalectomy	pan	pancreatectomy
cas	castration	para	parathyroidectomy
hyp	hypophysectomy	thr	thyroidectomy
nep	unilateral nephrectomy	thy	thymectomy
ova	ovariectomy		

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REFERENCES

- American Fisheries Society, Committee on Names of Fishes. 1970. A list of common and scientific names of fishes from the United States and Canada. Third edition. Special Publication No. 6. American Fisheries Society, Washington, D.C. 150 pp.
- Conant, R. 1975. A field guide to reptiles and amphibians of eastern and central North America. Second edition. Houghton Mifflin Company, Boston. 429 pp.
- Edwards, E. P. 1974. A coded list of birds of the world. Edition a - limited edition. Ernest P. Edwards-publisher, Sweet Briar, VA. 147 pp.
- Leviton, A. E. 1971. Reptiles and amphibians of North America. Doubleday and Company, Inc., New York. 250 pp.
- Nace, G. W., and J. K. Rosen. 1978. Sources of amphibians for research. II. Appendix V, pages 251-279 in R. G. McKinnell. Cloning: Nuclear transplantation in amphibia. University of Minnesota Press, Minneapolis.
- U.S. Department of the Interior, Fish and Wildlife Service. 1979. Title 50-Wildlife and Fisheries, Chapter 1, Part 17-Endangered and Threatened Wildlife and Plants. Federal Register 44 (12, Part II): 3635-3654.
- Walker, E. P. 1975. Mammals of the world. Third edition. Vols. I and II. The Johns Hopkins University Press, Baltimore. 1500 pp.

AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Amphiuma	<i>Amphiuma</i> spp.	WC	SP, SU, F	Con Swn Cls
Amphiuma, Three-toed, or Congo Eel	<i>Amphiuma tridactylum</i>	WC	G W, SP, SU	Cls Gsb Cls
Amphiuma, Two-toed	<i>Amphiuma means</i>	WC	G	Cls
Axolotl*	<i>Ambystoma mexicanum</i>	CR	G	Tax
Bullfrog	<i>Rana catesbeiana</i>	CR WC	G G (adults & eggs) G W, SU, F SP, SU, F G SP, SU, F G SP, F	Roc Cls Dah Gbs Gsb Sbl Sbs Swn Wbs Cls
Frog, Chorus	<i>Pseudacris triseriata</i>	WC	SP, F	Cls
Frog, Common, or Grass	<i>Rana temporaria</i>	WC	G	Cls

* Available mutants carried on inbred *Ambystoma mexicanum*:

Name	Symbol
albino	<i>a</i>
arrest at blastula stage; variable	<i>v</i>
cardiac nonfunction	<i>c</i>
eye less	<i>e</i>
fluid imbalance	<i>f</i>
fragile gills	<i>x</i>
gill lethal	<i>g</i>
limb development arrested	<i>y</i>
melanoid	<i>m</i>
ova deficient	<i>o</i>
renal insufficiency	<i>r</i>
twisted gills	<i>t</i>
white	<i>d</i>

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AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Frog, Cricket (Northern)	<i>Acris crepitans</i>	WC	SP, F	Cls
Frog, Edible	<i>Rana esculenta</i>	WC	G	Cls
Frog, Green	<i>Rana clamitans</i>	WC	SP, SU, F (adults & eggs)	Cls
Frog, Greenhouse	<i>Eleutherodactylus ricordi planirostris</i>	WC	SP, SU SP, SU, F	Gbs Cls
Frog, Horned (Asiatic)	<i>Megophrys nasuta</i>	WC	G	Bit
Frog, Leopard	<i>Rana magnocularis</i>	WC	G	Swn
Frog, Leopard (Northern)	<i>Rana pipiens</i>	CR	SP, SU, F	Roc
		WC	G SP, SU, F W, SP, F G G SP, SU, F G G G G	Bit Gbs Gsb Mog Sbl Sbs Swn Sws Wan Wbs
Frog, Leopard (Rio Grande)	<i>Rana berlandieri</i>	WC	G (adults & eggs) G	Cls Mog Swn Cls
Frog, Leopard (Southern)	<i>Rana utricularia</i> (= <i>spenocephala</i>)	WC	SP, SU, F	Swn Cls
Frog, Marsh, or Lake	<i>Rana ridibunda</i>	WC	SP, SU, F	Swn Cls
Frog, Painted (Asiatic)	<i>Kaloula pulchra</i>	WC	G	Bit
Frog, Pickerel	<i>Rana palustris</i>	WC	SP, F (adults & eggs)	Cls

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AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Frog, Pig	<i>Rana grylio</i>	WC	SP, SU	Gsb
Frog, Yellow-legged	<i>Rana boylei</i>	WC	SP, F (adults & eggs)	Cls
Hellbender	<i>Cryptobranchus alleganiensis</i>	WC	G	Cls
Mudpuppy	<i>Necturus maculosus</i>	WC	— G W, SP, F	Mrs Cls Con Gbs Sbl
Newt, Alpine	<i>Triturus alpestris</i>	WC	G SP, SU	Cls
Newt, Common	<i>Notophthalmus viridescens</i>	WC	SP, SU, F	Con
Newt, Marbled	<i>Triturus marmoratus</i>	WC	SP, SU	Cls
Newt, Palmate	<i>Triturus helveticus</i>	WC	SP, SU	Cls
Newt, Red-spotted	<i>Notophthalmus viridescens viridescens</i>	WC	G	Bit
Newt, Red-spotted: Red Eft stage	<i>Notophthalmus viridescens viridescens</i>	WC	G — SP, F	Cls Mrs Cls
Newt, Roughskinned	<i>Taricha granulosa</i>	WC	G	Bit
Newt, Smooth	<i>Triturus vulgaris</i>	WC	SP, SU, F	Cls
Newt, Warty	<i>Triturus cristatus</i>	WC	SP, SU, F SP	Cls Zoo
Salamander, Black-bellied	<i>Desmognathus quadramaculatus</i>	WC	SP, SU, F	Cls
Salamander, Cave	<i>Eurgcea lucifuga</i>	WC	SP, F	Cls
Salamander, Climbing	<i>Aneides</i> spp.	WC	— SP, F	Mrs Cls

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AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Salamander, Dusky	<i>Desmognathus fuscus</i>	WC	G	Cls
Salamander, Fire (European)	<i>Salamandra salamandra</i>	WC	— SP, SU, F	Mrs Cls
Salamander, Four- toed	<i>Hemidactylum scutatum</i>	WC	— SP, SU SP (adults & eggs)	Zoo Cls
Salamander, Hynobius	<i>Hynobius keyserlingii</i>	WC	— SU, F	Mrs Zoo
Salamander, Jefferson	<i>Ambystoma jeffersonianum</i>	WC	— SP, F (adults & eggs)	Cls
Salamander, Long-tailed	<i>Eurgecea longicauda</i>	WC	— SP, F	Mrs Cls
Salamander, Marbled	<i>Ambystoma opacum</i>	WC	— SP, F (adults & eggs)	Mrs Cls
Salamander, Mole	<i>Ambystoma talpoideum</i>	WC	— SP, F (adults & eggs)	Mrs Cls
Salamander, Mountain	<i>Desmognathus ochrophaeus</i>	WC	SP, SU, F	Cls
Salamander, Mud	<i>Pseudotriton montanus</i>	WC	SP, F	Cls
Salamander, Red	<i>Pseudotriton ruber</i>	WC	SP, F	Cls
Salamander, Red- backed	<i>Plethodon cinereus</i>	WC	CP, SU, F	Cls
Salamander, Seal	<i>Desmognathus monticola</i>	WC	— SP, SU, F	Mrs Cls
Salamander, Slender	<i>Batrachoseps</i> spp.	WC	SP, F	Cls
Salamander, Slimy	<i>Plethodon glutinosus</i>	WC	SP, SU, F	Cls
Salamander, Small-mouthed	<i>Ambystoma texanum</i>	WC	— SP (adults & eggs)	Mrs Cls
			—	Mrs

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AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Salamander, Spotted	<i>Ambystoma maculatum</i>	WC	W, SP, SU (adults & eggs) SP	Cls Con Mrs
Salamander, Spring	<i>Gyrinophilus porphyriticus</i>	WC	SP, F —	Cls Mrs
Salamander, Three-lined	<i>Eurycea longicauda guttolineata</i>	WC	SU, F	Cls
Salamander, Tiger:	<i>Ambystoma tigrinum</i>			
Eggs		WC	—	Cls
Larval stage		WC	G SP, SU	Bit Cls
Neotenic stage		WC	G	Cls
Terrestrial stage		WC	W, SP	Cls
			—	Mrs
Salamander, Two-lined	<i>Eurycea bislineata</i>	WC	SP, F	Cls
			—	Mrs
Salamander, Zigzag	<i>Plethodon dorsalis</i>	WC	W, SP	Cls
			—	Mrs
Siren, Dwarf	<i>Pseudobranchius striatus</i>	WC	SP	Cls
Siren, Greater	<i>Siren lacertina</i>	WC	SP	Cls
Siren, Lesser	<i>Siren intermedia</i>	WC	SP	Cls
Toad	<i>Bufo</i> spp.	WC	SP, SU, F (adults & eggs)	Cls
Toad, American	<i>Bufo americanus</i>	WC	SP, F (adults & eggs)	Cls
			—	Mrs
Toad, Black- spined	<i>Bufo melanostictus</i>	WC	G	Bit

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OTHER VERTEBRATES

AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Toad, Boreal	<i>Bufo boreas boreas</i>	WC	SU, F (adults & eggs)	Cls
Toad, Clawed (Kenyan)	<i>Xenopus borealis</i>	WC	G	Cls
Toad, Clawed (Nigerian)	<i>Xenopus tropicalis</i>	WC	G	Cls
Toad, Clawed (South African)	<i>Xenopus laevis</i>	CR	G	Cls
				Det
				Nco
				Roc
				Wbs
		WC	G	Cls
				Cwf
				Mog
Toad, Colorado River	<i>Bufo alvarius</i>	WC	SU (adults & eggs)	Cls
Toad, Common	<i>Bufo bufo</i>	WC	SP, SU (adults & eggs)	Cls
Toad, Fire-bellied	<i>Bombina orientalis</i>	CR	G	Det
Toad, Fowler's	<i>Bufo woodhousei fowleri</i>	WC	SP, F (adults & eggs)	Cls
			—	Mrs
			SU, F	Swn
Toad, Giant	<i>Bufo marinus</i>	WC	G	Chc
			G (adults & eggs)	Cls
			G	Con
			—	Mrs
			SP, SU, F	Sbs
			G	Swn
			G	Wan
			G	Wbs
			G	Zoo
Toad, Great Plains	<i>Bufo cognatus</i>	WC	SP, F (adults & eggs)	Cls

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AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Toad, Green	<i>Bufo viridis</i>	WC	SP, SU, F (adults & eggs)	Cls
Toad, Narrow-mouthed (Eastern)	<i>Gastrophryne carolinensis</i>	WC	SP, SU, F	Cls
Toad, Narrow-mouthed (Western)	<i>Gastrophryne olivacea</i>	WC	SP, SU	Cls
Toad, Oak	<i>Bufo quercicus</i>	WC	SP, SU, F(adults & eggs)	Cls
Toad, Rocky Mountain	<i>Bufo woodhousei woodhousei</i>	WC	SP, F (adults & eggs)	Cls
Toad, Southern	<i>Bufo terrestris</i>	WC	SP, F (adults & eggs)	Cls
Toad, Spadefoot	<i>Scaphiopus</i> spp.	WC	SP, SU, F	Cls
Toad, Spadefoot (Eastern)	<i>Scaphiopus holbrooki</i>	WC	SP, SU, F	Cls
Toad, Texas	<i>Bufo speciosus</i>	WC	— SP, F (adults & eggs)	Mrs Cls
Treefrog	<i>Hyla</i> spp.	WC	G (adults & eggs)	Cls
Treefrog, Barking	<i>Hyla gratiosa</i>	WC	— SP (adults & eggs)	Mrs Cls
Treefrog, Cuban	<i>Hyla septentrionalis</i>	WC	— SP, SU, F (adults & eggs)	Mrs Cls
Treefrog, Gray	<i>Hyla versicolor</i>	WC	— SP, F (adults & eggs)	Mrs Cls
Treefrog, Green	<i>Hyla cinerea</i>	WC	— SP, SU, F (adults & eggs)	Mrs Cls
			— SU, F	Mrs SwN

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OTHER VERTEBRATES

AMPHIBIANS

Common Name	Scientific Name	Source	Availability	Code
Treefrog, Green (found only in Mexico)	<i>Pachymedusa dacnicolor</i>	WC	SU, F	Swn
Treefrog, Pacific	<i>Hyla regilla</i>	WC	SP, F (adults eggs) W, SP	Cis Ebv
Treefrog, Squirrel	<i>Hyla squirella</i>	WC	SP (adults & eggs) SU, F	Cls Swn
Various Species, live		WC		Chc
Various Species, preserved				Sbs

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BIRDS

Common Name	Scientific Name	Source	Availability	Code
Bobwhite, Common	<i>Colinus virginianus</i>	CR	--	Adv
Dove, Ring- necked	<i>Streptopelia capicola</i>	CR	G	Thr
Dove, Rock (Common)	<i>Columba livia</i>	CR	G (several varieties)	Mbf Thr Wbs Dla Roc Adv
Duck, American Wood	<i>Aix sponsa</i>	CR	—	Adv
Duck, Mallard	<i>Anas platyrhynchos</i>	CR	SP	Adv
Goose, Canada	<i>Branta canadensis</i>	CR	—	Adv
Peafowl, Indian	<i>Pavo cristatus</i>	—	G	Adv
Pheasant, Ring- necked	<i>Phasianus colchicus</i>	CR	SU, F	Adv
Pigeon-See Rock Dove above				
Quail, Japanese	<i>Coturnix coturnix japonica</i>	CR	G (birds & eggs)	Krr
Various Species (imported & U.S.), live		WC	G	Chc
Various Species, preserved				Mrs Sbs

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FISHES

Common Name	Scientific Name	Source	Availability	Code
Bass	<i>Serranus</i> spp.	WC	G	Aae
Cod, Atlantic	<i>Gadus morhua</i>	WC	SP, SU, F	Bfa
Dogfish, Spiny	<i>Squalus acanthias</i>	WC	SU	Bfa
Eel, American	<i>Anguilla rostrata</i>	WC	G	Mrn
Gat, Longnose	<i>Lepisosteus osseus</i>	WC	G	Gul
Haddock	<i>Melanogrammus aeglefinus</i>	WC	SP, SU, F	Bfa
Hake, Red or Squirrel	<i>Urophycis chuss</i>	WC	—	Bfa
Hake, Silver	<i>Merluccius bilinearis</i>	WC	SP, SU, F	Bfa
Hake, White	<i>Urophycis tenuis</i>	WC	SP, SU, F	Bfa
Herring	various species, family Clupeidae	WC	SP, SU, F	Bfa
Killifish	<i>Fundulus</i> spp.	WC	G	Gul Mrn
Killifish, Longnose	<i>Fundulus similis</i>	WC	G	Gul Tcl
Moray	<i>Gymnothorax</i> spp.	WC	G	Aae
Pollock	<i>Pollachius virens</i>	WC	W, SP, F	Bfa
Ray, Electric (Lesser)	<i>Narcine brasiliensis</i>	WC	G	Tcl
Ray, Electric (Pacific)	<i>Torpedo californica</i>	WC	W, SP	Pbm
Ray, Torpedo (Atlantic)	<i>Torpedo nobiliana</i>	WC	G	Aae
Seahorse, Dwarf	<i>Hippocampus zosterae</i>	WC	G	Aae
Seahorse, Lined	<i>Hippocampus erectus</i>	WC	G	Aae

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FISHES

Common Name	Scientific Name	Source	Availability	Code
Shark, Nurse	<i>Ginglymostoma cirratum</i>	WC	G	Aae
Sharksucker	<i>Echeneis naucrates</i>	WC	G	Aae
Skate	<i>Raja</i> spp.	WC	G	Bfa
Stingray, Yellow	<i>Urolophus jamaicensis</i>	WC	G	Aae
Toadfish, Oyster	<i>Opsanus tau</i>	WC	G	Mrn

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MAMMALS

Common Name	Scientific Name	Source	Availability	Code
Armadillo, Nine-banded	<i>Dasyus novemcinctus</i>	WC	G	Chc
Bat, Brown (Big)	<i>Eptesicus fuscus</i>	WC	SP, SU, F	Zoo
Bat, Brown (Little)	<i>Myotis lucifugus</i>	WC	W, SP, F	Zoo
Bat, Fruit (New World)	<i>Artibeus jamaicensis</i>	WC	G	Zoo
Bat, Vampire	<i>Desmodus rotundus</i>	WC	G	Zoo
Bear, American Black	<i>Euarctos americanus</i>	CR	G (young in SP) Ffg	
Beaver, North American	<i>Castor canadensis</i>	CR	G	Zpp
Bison, American	<i>Bison bison</i>	CR	G (young in SU)	Ffg
Chinchilla (linebred)	<i>Chinchilla laniger</i>	CR	G	Mng
Chipmunk, Eastern	<i>Tamias striatus</i>	WC	SU, F	Ffg
Coyote	<i>Canis latrans</i>	CR	SP, SU, F	Zoo
Deer, Fallow	<i>Dama dama</i>	WC	G (young in SP)	Ffg
Deer, White-tailed	<i>Odocoileus virginianus</i>	CR	G	Ffg
Elk, American, or Wapiti	<i>Cervus elaphus (=canadensis)</i>	CR	G (young in SU)	Ffg
Ferret, European, or Polecat	<i>Mustela putorius</i>	CR	G (young in SU)	Ffg
			SP, SU (brown & albino)	Rby
	<i>Mustela putorius furo</i>	CR	G (brown & albino)	Mra
Fox, Arctic	<i>Alopex lagopus</i>	CR	G (young in SP)	Ffg

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OTHER VERTEBRATES

MAMMALS

Common Name	Scientific Name	Source	Availability	Code
Fox, Gray	<i>Urocyon cinereoargenteus</i>	CR	G (young in SP)	Ffg
		WC	W, F	Gok
Fox, Red	<i>Vulpes fulva</i>	CR	G (young in SP)	Ffg
		WC	W, F	Gok
Muskrat	<i>Ondatra zibethicus</i>	WC	W	Dla
Opossum, North American	<i>Didelphis virginianus</i>	CR	G	Zoo
		WC	G	Chc Dla Ffg Zoo
Porcupine, North American	<i>Erethizon dorsatum</i>	WC	G	Ffg
Prairie Dog	<i>Cynomys ludovicianus</i>	CR	W, F G	Zoo Ffg
		WC	SP, SU, F G	Zoo Ffg
Rabbit, Cottontail	<i>Sylvilagus floridanus</i>	WC	SP, SU, F W, F	Zoo Gok
Raccoon	<i>Procyon lotor</i>	CR	G	Ffg Zoo
		WC	SP, SU G	Rby Ffg Gok
Rat, Kangaroo	<i>Dipodomys</i> spp.	WC	SP	Zoo
Sika	<i>Cervus nippon</i>	CR	G (young in SU)	Ffg
Skunk, Striped (deodorized)	<i>Mephitis mephitis</i>	CR	G (striped & 6 color mutations)	Ffg
Squirrel, Eastern Gray	<i>Sciurus carolinensis</i>	CR	SP G	Rby Sfs
				Zoo

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MAMMALS

Common Name	Scientific Name	Source	Availability	Code
Squirrel, Eastern Gray	<i>Sciurus carolinensis</i>	WC	G	Sfs
Squirrel, Flying	<i>Glaucomys volans</i>	CR	G	Sfs Zoo
Squirrel, Fox	<i>Sciurus niger</i>	WC CR	G G	Sfs Sfs Zoo
Squirrel, Red	<i>Tamiasciurus hudsonicus</i>	WC CR WC	G G G	Sfs Zoo Ffg Zoo
Squirrel, Thirteen-lined Ground	<i>Spermophilus (=Citellus) tridecemlineatus</i>	WC	SU, F	Ffg Zoo
Weasel	<i>Mustela erminea</i>	WC	SP, SU, F	Ffg
Various Species, live		WC	G	Chc
Various Species, preserved				Mrs Sbs

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REPTILES

Common Name	Scientific Name	Source	Availability	Code
Ameiva, Giant	<i>Ameiva ameiva</i>	WC	G	Bit
Anole, Cuban or Knight	<i>Anolis equestris equestris</i>	WC	SP, SU, F	Cls
Anole, Green, or Chameleon	<i>Anolis carolinensis carolinensis</i>	WC	—	Cls
			SP, SU, F SU, F	Sbs SwN
Boa, Baby Colombian	<i>Boa constrictor</i>	WC	G	Bit
Gecko, Banded (Western)	<i>Coleonyx variegatus</i>	WC	SP, SU	Cls
Gecko, House (African)	<i>Pachydactylus bibroni</i>	WC	SP, SU, F	Bit
Gecko, Leaf-toed	<i>Phyllodactylus xanti</i>	WC	W, SP	Cls
Gecko, Tokay	<i>Gecko gecko</i>	WC	G	Bit
			SP, SU, F	Zoo
Iguana, Desert	<i>Dipsosaurus dorsalis</i>	WC	SP, SU, F	Cls
Iguana, Green	<i>Iguana iguana</i>	WC	G	Bit
Kingsnake, Common	<i>Lampropeltis getulus</i>	WC	SP, SU	Cls
			—	Mrs
Kingsnake, California	<i>Lampropeltis getulus californiae</i>	WC	SP, SU	Ebv
Lizard	<i>Sceloporus</i> spp.	WC	—	Cls
Lizard, Alligator	<i>Gerrhonotus</i> spp.	WC	SP, SU, F	Cls
Lizard, Alligator (Southern)	<i>Gerrhonotus multicarinatus</i>	WC	SP, SU	Ebv
Lizard, Collared	<i>Crotaphytus collaris</i>	WC	SP, SU, F	Bit
				Cls
Lizard, Fence (Western)	<i>Sceloporus occidentalis</i>	WC	—	Cls
			SP, SU	Ebv
Lizard, Jone's Girdle Tail	<i>Cordylus jonesi</i>	WC	G	Bit

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Common Name	Scientific Name	Source	Availability	Code
Lizard, Night	<i>Xantusia</i> spp.	WC	—	Cls
Lizard, Night (Desert), or Yucca (Granite)	<i>Xantusia vigilis</i>	WC	W	Cls
Lizard, Night (Granite)	<i>Xantusia henshawi</i>	WC	W, SP	Cls
Lizard, Rock (Banded)	<i>Petrosaurus mearnsi</i>	WC	W, SP	Cls
Monitor, Indian	<i>Varanus salvator</i>	WC	G	Bit
Monitor, Nile	<i>Vatanus niloticus</i>	WC	G	Zoo
Monitor, Savannah	<i>Varanus exanthematicus</i>	WC	G	Bit
Racer	<i>Coluber</i> spp.	WC	—	Cls
Racer, Black	<i>Coluber constrictor</i>	WC	SP, SU	Cls
Rattlesnake, Diamondback (Western)	<i>Crotalus atrox</i>	WC	SP, SU, F	Bit
			— SP, F	Mrs Zoo
Skink, Orange- throated	<i>Mabuya macularia</i>	WC	G	Bit
Skink, Striped	<i>Eumeces</i> spp.	WC	—	Cls
Slider, or Turtle, or Cooter	<i>Chrysemys</i> spp.	WC	—	Cls
			G	Gsb
			—	Mrs
			G	Swn
Snake, Black (Common Pilot) or Black Rat	<i>Elaphe obsoleta obsoleta</i>	WC	SP, SU, F	Cls
			—	Mrs
Snake, Brown	<i>Storeria dekayi</i>	WC	—	Cls
Snake, Corn or Red Rat	<i>Elaphe guttata guttata</i>	WC	SP, SU, F	Cls

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REPTILES

Common Name	Scientific Name	Source	Availability	Code
Snake, Garter	<i>Thamnophis</i> spp.	WC	SP, SU, F SP, SU, F — SP, SU, F	Cls Gbs Mrs Zoo
Snake, Garter (Common)	<i>Thamnophis sirtalis</i>	WC	—	Cls
Snake, Glossy	<i>Arizona elegans</i>	WC	SP, SU	Cls
Snake, Gopher or Pine or Bull	<i>Pituophis melanoleucus</i>	WC	—	Cls
Snake, Gopher (Pacific)	<i>Pituophis melanoleucus catenifer</i>	WC	SP, SU	Mrs Ebv
Snake, Green	<i>Opheodrys</i> spp.	WC	—	Cls
Snake, Hognose	<i>Heterodon</i> spp.	WC	SP, SU	Cls
Snake, Night	<i>Hypsiglena torquata</i>	WC	SP, SU	Cls
Snake, Rat	<i>Elaphe</i> spp.	WC	—	Cls
Snake, Rat (Gray)	<i>Elaphe obsoleta spiloides</i>	WC	SP, SU, F —	Cls Mrs
Snake, Rat(Siberian)	<i>Elaphe schrenki</i>	WC	SU, F	Bit
Snake, Rat (Yellow)	<i>Elaphe obsoleta quadrivittata</i>	WC	SP, SU, F	Cls
Snake, Ribbon (Eastern)	<i>Thamnophis sauritus</i>	WC	—	Cls
Snake, Water	<i>Natrix</i> spp.	WC	SP, SU, F	Cls
Snake, Water (Common)	<i>Natrix sipedon</i>	WC	—	Cls
Tegu, Golden	<i>Tupinambis nigropunctatus</i>	WC	G	Bit
Terrapin, Diamondback	<i>Malaclemys terrapin</i>	WC	SP, SU, F —	Cls Mrs

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OTHER VERTEBRATES

REPTILES

Common Name	Scientific Name	Source	Availability	Code
Tortoise, Yellow-headed	<i>Geochelone elongata</i>	WC	G	Bit
Turtle, Box	<i>Terrapene</i> spp.	WC	SP, SU, F	Cls Mrs
Turtle, Box (Malayan)	<i>Cuora ambionensis</i>	WC	G	Bit
Turtle, False Map	<i>Graptemys pseudogeographica</i>	WC	SP, F	Cls
Turtle, Hieroglyphic	<i>Chrysemys concinna</i>	WC	SP, F	Cls
Turtle, Mud	<i>Kinosternon</i> spp.	WC	—	Gbs
Turtle, Musk (Common) or Stinkpot	<i>Sternotherus odoratus</i>	WC	SP, F	Cls
Turtle, Painted	<i>Chrysemys picta</i>	WC	— SP, F	Mrs Cls Gbs Mog Zoo
Turtle, Painted (Western)	<i>Chrysemys picta belli</i>	WC	G	Bit
Turtle, Pond (European)	<i>Emys orbicularis</i>	WC	— SU, F	Mrs Zoo
Turtle, Red-eared	<i>Chrysemys scripta elegans</i>	WC	SP, SU, F	Cls Mrs Wbs
Turtle, Snapping	<i>Chelydra serpentina</i>	WC	—	Cls Gbs Mrs
Turtle, Soft-shell (Florida)	<i>Trionyx ferox</i>	WC	—	Gbs
Turtle, Yellow-bellied	<i>Chrysemys scripta scripta</i>	WC	—	Mrs
Uta, Ground or Side-blotched	<i>Uta stansburiana</i>	WC	SP, SU, F	Zoo Cls

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REPTILES

Common Name	Scientific Name	Source	Availability	Code
Viper, Pit (Waglet's)	<i>Trimeresurus wagleri</i>	WC	G	Bit
Whipsnake	<i>Masticophis</i> spp.	WC	—	Cls
Various Species, live		WC	—	Chc Mrs Sbs
Various Species, preserved				

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Scientific Name	Common Name
<i>Acris crepitans</i>	Northern Cricket Frog
<i>Aix sponsa</i>	American Wood Duck
<i>Alopex lagopus</i>	Arctic Fox
<i>Ambystoma jeffersonianum</i>	Jefferson Salamander
<i>Ambystoma maculatum</i>	Spotted Salamander
<i>Ambystoma mexicanum</i>	Axolotl
<i>Ambystoma opacum</i>	Marbled Salamander
<i>Ambystoma talpoideum</i>	Mole Salamander
<i>Ambystoma texanum</i>	Small-mouthed Salamander
<i>Ambystoma tigrinum</i>	Tiger Salamander (all stages)
<i>Ameiva ameiva</i>	Giant Ameiva
<i>Amphiuma</i> spp.	Amphiuma
<i>Amphiuma means</i>	Two-toed Amphiuma
<i>Amphiuma tridactylum</i>	Three-toed Amphiuma, or Congo Eel
<i>Anas platyrhynchos</i>	Mallard Duck
<i>Aneides</i> spp.	Climbing Salamander
<i>Anguilla rostrata</i>	American Eel
<i>Anolis carolinensis carolinensis</i>	Green Anole or Chameleon
<i>Anolis equestris equestris</i>	Cuban or Knight Anole
<i>Arizona elegans</i>	Glossy Snake
<i>Artibeus jamaicensis</i>	New World Fruit Bat
<i>Batrachoseps</i> spp.	Slender Salamander
<i>Bison bison</i>	American Bison
<i>Boa constrictor</i>	Baby Columbian Boa

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Scientific Name	Common Name
<i>Bombina orientalis</i>	Fire-bellied Toad
<i>Branta canadensis</i>	Canada Goose
<i>Bufo</i> spp.	Toad
<i>Bufo alvarius</i>	Colorado River Toad
<i>Bufo americanus</i>	American Toad
<i>Bufo boreas boreas</i>	Boreal Toad
<i>Bufo bufo</i>	Common Toad
<i>Bufo cognatus</i>	Great Plains Toad
<i>Bufo marinus</i>	Giant Toad
<i>Bufo melanostictus</i>	Black-spined Toad
<i>Bufo quercicus</i>	Oak Toad
<i>Bufo speciosus</i>	Texas Toad
<i>Bufo terrestris</i>	Southern Toad
<i>Bufo viridis</i>	Green Toad
<i>Bufo woodhousei fowleri</i>	Fowler's Toad
<i>Bufo woodhousei woodhousei</i>	Rocky Mountain Toad
<i>Canis latrans</i>	Coyote
<i>Castor canadensis</i>	North American Beaver
<i>Cervus elaphus (=canadensis)</i>	American Elk, or Wapiti
<i>Cervus nippon</i>	Sika
<i>Chelydra serpentina</i>	Snapping Turtle
<i>Chinchilla laniger</i>	Chinchilla
<i>Chrysemys</i> spp.	Slider or Turtle or Cooter
<i>Chrysemys concinna</i>	Hieroglyphic Turtle

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Scientific Name	Common Name
<i>Chrysemys picta</i>	Painted Turtle
<i>Chrysemys picta belli</i>	Western Painted Turtle
<i>Chrysemys scripta elegans</i>	Red-eared Turtle
<i>Chrysemys scripta scripta</i>	Yellow-bellied Turtle
Clupeidae Family	Herring
<i>Coleonyx variegatus</i>	Western Banded Gecko
<i>Colinus virginianus</i>	Common Bobwhite
<i>Coluber</i> spp.	Racer
<i>Coluber constrictor</i>	Black Racer
<i>Columba livia</i>	Common Rock Dove
<i>Cordylus jonesi</i>	Jone's Girdle Tail Lizard
<i>Coturnix coturnix japonica</i>	Japanese Quail
<i>Crotalus atrox</i>	Western Diamondback Rattlesnake
<i>Crotaphytus collaris</i>	Collard Lizard
<i>Cryptobranchus alleganiensis</i>	Hellbender
<i>Cuora ambionensis</i>	Malayan Box Turtle
<i>Cynomys ludovicianus</i>	Prairie Dog
<i>Dama dama</i>	Fallow Deer
<i>Dasyopus novemcinctus</i>	Nine-banded Armadillo
<i>Desmodus rotundus</i>	Vampire Bat
<i>Desmognathus fuscus</i>	Dusky Salamander
<i>Desmognathus monticola</i>	Seal Salamander
<i>Desmognathus ochrophaeus</i>	Mountain Salamander
<i>Desmognathus quadramaculatus</i>	Black-bellied Salamander

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Scientific Name	Common Name
<i>Didelphis virginianus</i>	North American Opossum
<i>Dipodomys</i> spp.	Kangaroo Rat
<i>Dipsosaurus dorsalis</i>	Desert Iguana
<i>Echenies naucratus</i>	Sharksucker
<i>Elaphe</i> spp.	Rat Snake
<i>Elaphe guttata guttata</i>	Corn or Red Rat Snake
<i>Elaphe obsoleta obsoleta</i>	Common Pilot Black or Black Rat Snake
<i>Elaphe obsoleta quadrivittata</i>	Yellow Rat Snake
<i>Elaphe obsoleta spiloides</i>	Gray Rat Snake
<i>Elaphe schrenki</i>	Siberian Rat Snake
<i>Eleutherodactylus ricordi planirostris</i>	Greenhouse Frog
<i>Emys orbicularis</i>	European Pond Turtle
<i>Eptesicus fuscus</i>	Big Brown Bat
<i>Erethizon dorsatum</i>	North American Porcupine
<i>Euarctos americanus</i>	American Black Bear
<i>Eumeces</i> spp.	Striped Skink
<i>Eurycea bislineata</i>	Two-lined Salamander
<i>Eurycea longicauda</i>	Long-tailed Salamander
<i>Eurycea longicauda guttolineata</i>	Three-lined Salamander
<i>Eurycea lucifuga</i>	Cave Salamander
<i>Fundulus</i> spp.	Killifish
<i>Fundulus similis</i>	Longnose Killifish
<i>Gadus morhua</i>	Atlantic Cod
<i>Gastrophryne carolinensis</i>	Eastern Narrow-mouthed Toad

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Scientific Name	Common Name
<i>Gastrophryne olivacea</i>	Western Narrow-mouthed Toad
<i>Gecko gecko</i>	Tokay Gecko
<i>Geochelone elongata</i>	Yellow-headed Tortoise
<i>Gerrhonotus</i> spp.	Alligator Lizard
<i>Gerrhonotus multicarinatus</i>	Southern Alligator Lizard
<i>Ginglymostoma cirratum</i>	Nurse Shark
<i>Glaucomas volans</i>	Flying Squirrel
<i>Graptemys pseudogeographica</i>	False Map Turtle
<i>Gymnothorax</i> spp.	Moray
<i>Gyrinophilus porphyriticus</i>	Spring Salamander
<i>Hemidactylum scutatum</i>	Four-toed Salamander
<i>Heterodon</i> spp.	Hognose Snake
<i>Hippocampus erectus</i>	Lined Seahorse
<i>Hippocampus zosterae</i>	Dwarf Seahorse
<i>Hyla</i> spp.	Treefrog
<i>Hyla cinerea</i>	Green Treefrog
<i>Hyla gratiosa</i>	Barking Treefrog
<i>Hyla regilla</i>	Pacific Treefrog
<i>Hyla septentrionalis</i>	Cuban Treefrog
<i>Hyla squirella</i>	Squirrel Treefrog
<i>Hyla versicolor</i>	Gray Treefrog
<i>Hynobius keyserlingii</i>	Hynobius Salamander
<i>Hypsiglena torquata</i>	Night Snake
<i>Iguana iguana</i>	Green Iguana

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Scientific Name	Common Name
<i>Kaloula pulchra</i>	Asiatic Painted Frog
<i>Kinosternon</i> spp.	Mud Turtle
<i>Lampropeltis getulus</i>	Common Kingsnake
<i>Lampropeltis getulus californiae</i>	California Kingsnake
<i>Lepisosteus osseus</i>	Longnose Gar
<i>Mabuya macularia</i>	Orange-throated Skink
<i>Malaclemys terrapin</i>	Diamondback Terrapin
<i>Masticophis</i> spp.	Whipsnake
<i>Megophrys nasuta</i>	Asiatic Horned Frog
<i>Melanogrammus aeglefinus</i>	Haddock
<i>Merluccius bilinearis</i>	Silver Hake
<i>Mephitis mephitis</i>	Striped Skunk
<i>Mustela erminea</i>	Weasel
<i>Mustela putorius</i>	European Ferret, or Polecat
<i>Mustela putorius furo</i>	European Ferret, or Polecat
<i>Myotis lucifugus</i>	Little Brown Bat
<i>Narcine brasiliensis</i>	Lesser Electric Ray
<i>Natrix</i> spp.	Water Snake
<i>Natrix sipedon</i>	Common Water Snake
<i>Necturus maculosus</i>	Mudpuppy
<i>Notophthalmus viridescens</i>	Common Newt
<i>Notophthalmus viridescens viridescens</i>	Red-spotted Newt
<i>Notophthalmus viridescens viridescens</i>	Red-spotted Newt: Red Eft stage

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Scientific Name	Common Name
<i>Odocoileus virginianus</i>	White-tailed Deer
<i>Ondatra zibethicus</i>	Muskrat
<i>Opheodrys</i> spp.	Green Snake
<i>Opsanus tau</i>	Oyster Toadfish
<i>Pachydactylus bibroni</i>	African House Gecko
<i>Pachymedusa dacnicolor</i>	Green Treefrog (found only in Mexico)
<i>Pavo cristatus</i>	Indian Peafowl
<i>Petrosaurus mearnsi</i>	Banded Rock Lizard
<i>Phasianus colchicus</i>	Ring-necked Pheasant
<i>Phyllodactylus xanti</i>	Leaf-toed Gecko
<i>Pituophis melanoleucus</i>	Gopher or Pine or Bull Snake
<i>Pituophis melanoleucus catenifer</i>	Pacific Gopher Snake
<i>Plethodon cinereus</i>	Red-backed Salamander
<i>Plethodon dorsalis</i>	Zigzag Salamander
<i>Plethodon glutinosus</i>	Slimy Salamander
<i>Pollachius virens</i>	Pollock
<i>Procyon lotor</i>	Raccoon
<i>Pseudacris triseriata</i>	Chorus Frog
<i>Pseudobranchius striatus</i>	Dwarf Siren
<i>Pseudotriton montanus</i>	Mud Salamander
<i>Pseudotriton ruber</i>	Red Salamander
<i>Raja</i> spp.	Skate
<i>Rana berlandieri</i>	Rio Grande Leopard Frog
<i>Rana boylii</i>	Yellow-legged Frog

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Scientific Name	Common Name
<i>Rana catesbeiana</i>	Bullfrog
<i>Rana clamitans</i>	Green Frog
<i>Rana esculenta</i>	Edible Frog
<i>Rana grylio</i>	Pig Frog
<i>Rana magnocularis</i>	Leopard Frog
<i>Rana palustris</i>	Pickerel Frog
<i>Rana pipiens</i>	Northern Leopard Frog
<i>Rana ridibunda</i>	Marsh or Lake Frog
<i>Rana temporaria</i>	Common or Grass Frog
<i>Rana utricularia</i> (= <i>spenocephala</i>)	Southern Leopard Frog
<i>Salamandra salamandra</i>	European Fire Salamander
<i>Scaphiopus</i> spp.	Spadefoot Toad
<i>Scaphiopus holbrooki</i>	Eastern Spadefoot Toad
<i>Sceloporus</i> spp.	Lizard
<i>Sceloporus occidentalis</i>	Western Fence Lizard
<i>Sciurus carolinensis</i>	Eastern Gray Squirrel
<i>Sciurus niger</i>	Fox Squirrel
<i>Serranus</i> spp.	Bass
<i>Silvilagus floridanus</i>	Cottontail Rabbit
<i>Siren intermedia</i>	Lesser Siren
<i>Siren lacertina</i>	Greater Siren
<i>Spermophilus</i> (= <i>Citellus</i>) <i>tridecemlineatus</i>	Thirteen-lined Ground Squirrel
<i>Squalus acanthias</i>	Spiny Dogfish

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Scientific Name	Common Name
<i>Sternotherus odoratus</i>	Common Musk or Stinkpot Turtle
<i>Storeria dekayi</i>	Brown Snake
<i>Streptopelia capicola</i>	Ring-necked Dove
<i>Tamias striatus</i>	Eastern Chipmunk
<i>Tamiasciurus hudsonicus</i>	Red Squirrel
<i>Taricha granulosa</i>	Rough-skinned Newt
<i>Terrapene</i> spp.	Box Turtle
<i>Thamnophis</i> spp.	Garter Snake
<i>Thamnophis sauritus</i>	Eastern Ribbon Snake
<i>Thamnophis sirtalis</i>	Common Garter Snake
<i>Torpedo californica</i>	Pacific Electric Ray
<i>Torpedo nobiliana</i>	Atlantic Torpedo Ray
<i>Trimeresurus wagleri</i>	Wagler's Pit Viper
<i>Trionyx ferox</i>	Florida Soft-shell Turtle
<i>Triturus alpestris</i>	Alpine Newt
<i>Triturus cristatus</i>	Warty Newt
<i>Triturus helveticus</i>	Palmate Newt
<i>Triturus marmoratus</i>	Marbled Newt
<i>Triturus vulgaris</i>	Smooth Newt
<i>Tupinambis nigropunctatus</i>	Golden Tegu
<i>Urocyon cinereoargenteus</i>	Gray Fox
<i>Urolophus jamaicensis</i>	Yellow Stingray
<i>Urophycis chuss</i>	Red or Squirrel Hake
<i>Urophycis tenuis</i>	White Hake

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Scientific Name	Common Name
<i>Uta stansburiana</i>	Ground or Side-blotched Uta
<i>Varanus exanthematicus</i>	Savannah Monitor
<i>Vatanus niloticus</i>	Nile Monitor
<i>Varanus salvator</i>	Indian Monitor
<i>Vulpes fulva</i>	Red Fox
<i>Xantusia</i> spp.	Night Lizard
<i>Xantusia henshawi</i>	Granite Night Lizard
<i>Xantusia vigilis</i>	Desert Night Lizard or Yucca
<i>Xenopus borealis</i>	Kenyan Clawed Toad
<i>Xenopus laevis</i>	South African Clawed Toad
<i>Xenopus tropicalis</i>	Nigerian Clawed Toad

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Invertebrates

Listings in this section are arranged alphabetically by phylum and class, with individual animals presented alphabetically by common name within classes. In most instances only a phylum heading is used; in some cases division is made at the sub-phylum level. Insofar as is possible, the scientific and common names have been verified using references listed on the following page.

The invertebrates in this section are only a sample of the many animals supplied by each company. Even if the specific animal you require is not listed, it may still be available from one of the listed companies. Contact companies in the appropriate geographic region directly to discuss specific requirements.

Investigators should recognize that suppliers may not keep wild-caught animals "in stock," and there may be considerable delay in obtaining some species.

None of the animals in this section are included in the List of Endangered and Threatened Wildlife and Plants (U.S. Department of the Interior, Fish and Wildlife Service, 1979). Any trade in endangered or threatened animals requires a permit from the Federal Wildlife Permit Office, Fish and Wildlife Service, U.S. Department of the Interior, Washington, D.C. 20240. Contact them directly for information and appropriate forms.

The following symbols are used in this section:

Source	CR	colony reared	WC	wild caught
Availability	G	generally available	SU	available in summer
	W	available in winter	F	available in fall
	SP	available in spring		

REFERENCES

- Barnes, R. D. 1974. *Invertebrate zoology*. Third edition. W. B. Saunders Company, Philadelphia. 870 pp.

- Committee on Common Names of Insects. 1978 revised. Common names of insects and related organisms. Entomological Society of America, College Park, MD. 132 pp.
- Gosner, K. L. 1979. A field guide to the Atlantic seashore. Houghton Mifflin Company, Boston. 329 pp.
- Hyman, L. H. 1967. The invertebrates: Mollusca I. McGraw-Hill Book Company, New York. 792 pp.
- Milne, L., and M. Milne. 1972. Invertebrates of North America. Doubleday and Company, Inc., New York. 249 pp.
- U.S. Department of the Interior, Fish and Wildlife Service. 1979. Title 50-Wildlife and Fisheries, Chapter 1, Part 17-Endangered and Threatened Wildlife and Plants. Federal Register 44 (12, Part II): 3635-3654.

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
ANNELIDS				
OLIGOCHAETES				
Earthworm, Common	<i>Lumbricus terrestris</i>	WC	—	Gbs
Worm, Manure	<i>Eisenia foetida</i>	CR	G	Esc
POLYCHAETES				
Worm, Blood	<i>Glycera</i> spp.	WC	G	Mrn Nme
	<i>Glycera dibranchiata</i>	WC	G	Mbc
Worm, Clam	<i>Nereis</i> sp.	WC	G	Mrn
	<i>Nereis virens</i>	WC	G	Mbc Nme
Worm, Tub (Honeycombed)	<i>Phragmatopoma californica</i>	WC	G	Sea
Worm, Tube	<i>Mercierella</i> sp.	WC	G	Dah
ARTHROPODS				
ARACHNIDS				
Tarantula	<i>Aphonopelma</i> spp.	WC	G	Mrs
Tarantula, Orange Knee (Mexican)	<i>Brachypelma smithi</i>	WC	G	Bit
Scorpion, South African	<i>Hadagonesa bicolor</i>	WC	G	Bit
CHILOPEDS				
Cockroach, Oriental	<i>Blatta orientalis</i>	WC	G	Zoo

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
ARTHROPODS				
CRUSTACEANS				
Barnacle	<i>Balanus</i> sp.	WC	— G	Aas Mrn Nme Sea
Copepod	<i>Tigriopus californicus</i>	WC	G	Sea
Crab	<i>Pachygrapsus crassipes</i>	WC	G	Sea
Crab, Arrow	<i>Stenorhynchus seticornis</i>	WC	G	Cau
Crab, Blue	<i>Callinectes sapidus</i>	WC	— G SU G	Aas Gul Mrn Tcl
Crab, Calico or Lady	<i>Ovalipes</i> sp.	WC	— SP	Aas Nme
Crab, Fiddler	<i>Uca</i> sp.	WC	—	Aas
	<i>Uca pugnax</i>	WC	G	Mrn
Crab, Fiddler (Sand)	<i>Uca pugilator</i>	WC	G	Gul Mrn Nme
Crab, Hermit	<i>Eupagurus bernhardus</i>	WC	— G	Aas Sea
Crab, Mud	<i>Panopeus</i> sp.	WC	— G	Aas Mrn
Crab, Shore	<i>Carcinus maenas</i>	WC	— G	Aas Mrn Nme
Crab, Spider	<i>Libinia</i> sp.	WC	G —	Aae Aas
Crawfish, Red Swamp, or Southern Crayfish	<i>Procambarus clarkii</i>	WC	G	Dah

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Common Name	Scientific Name	Source	Availability	Code	
ARTHROPODS					
CRUSTACEANS					
Crayfish, Freshwater	<i>Cambarus</i> sp.	WC	— G	Gbs Sws	
Lobster, American	<i>Pacifastacus</i> sp.	WC	SP, SU, F	Dah	
	<i>Homarus americanus</i>	CR	G	Alh	
		WC	G	Aas Nme Sea	
				Cau	
Lobster, Spiny	<i>Panulirus</i> spp.	WC	G	Dah	
Pill Bug	<i>Oniscus</i> sp.	WC	G	Tcl	
Shrimp, Gulf (Common)	<i>Penaeus</i> sp.	WC	G		
Shrimp, Sand	<i>Crangon</i> sp.	WC	—	Aas	
Shrimp, Shore	<i>Palaemonetes</i> sp.	WC	— G	Aas Mrn Tcl	
	<i>Palaemonetes pugio</i>	WC	G	Gul	
	Water Flea	<i>Daphnia</i> sp.	CR	G	Dah
	INSECTS				
Butterfly, Cabbage (European)	<i>Pieris rapae</i>	WC	—	Gbs	
Cricket, House	<i>Acheta domesticus</i>	CR	G	Fcf	
		WC	G	Fcf	
Fly, Fruit or Vinegar	<i>Drosophila</i>	CR	G	Sws	
	<i>melanogaster</i>				
	<i>Drosophila</i>	CR	G	Sws	
	<i>pseudobscura</i>				
	<i>Drosophila virilis</i>	CR	G	Sws	

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Common Name	Scientific Name	Source	Availability	Code
ARTHROPODS				
INSECTS				
Mealworm	<i>Tenebrio molitor</i>	CR	G	Gbs Rmw
Termite	<i>Zootermopsis</i> spp.	WC	G	Dah
MEROSTOMES				
Crab, Horseshoe	<i>Limulus polyphemus</i>	WC	G	Aae Aas
			—	Gul
			G (eggs in SU)	Mrn
			G	Nme
MYRIAPODS				
Centipede	<i>Scolopendra</i> sp.	WC	G	Bit
ASCHELMINTHS				
ROTIFERS				
Rotifer	<i>Brachionis</i> sp.	CR	G	Cau
CHORDATES (Subphylum Cephalochordata)				
Amphioxus or Florida Lancelet	<i>Branchiostoma</i> (= <i>Amphioxus</i>) <i>floridae</i>	WC	G	Gul
CHORDATES (Subphylum Urochordata)				
Tunicate	<i>Ciona</i> sp.	WC	G	Mrn Nme
	<i>Styela</i> sp.	WC	G	Mrn
Tunicate, Simple, or Sea Squirt	<i>Ciona intestinalis</i>	WC	G	Sea
Tunicate, Stalked	<i>Styela montereyensis</i>	WC	G	Sea

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Common Name	Scientific Name	Source	Availability	Code
COELENTERATES				
ANTHOZOANS				
Anemone, Green	<i>Anthopleura xanthogrammica</i>	WC	G	Sea
Sea Anemone	<i>Condylactis gigantea</i>	WC	G	Aae Cau
Sea Anemone, Large	<i>Metridium</i> sp.	WC	G	Mrn
	<i>Metridium senile</i>	WC	G	Nme
Sea Anemone, Pale	<i>Aiptasia pallida</i>	CR	G	Sea Aae Cau
Sea Anemone, Red	<i>Corynactis californica</i>	WC	G	Sea
Sea Pansy	<i>Renilla</i> sp.	WC	G	Gul
HYDROZOANS				
Hydra, Brown (Big)	<i>Pelmatohydra oligactis</i>	CR	G	Dah
Polyp, Marine	<i>Tubularia</i> sp.	WC	G	Nme
SCYPHOZOANS				
Jellyfish, Mangrove	<i>Cassiopeia</i> sp.	WC	G	Aae Cau
ECHINODERMS				
ASTEROIDS				
Star, Bat	<i>Patiria miniata</i>	WC	G	Sea
Star, Brittle	<i>Ophiothrix spiculata</i>	WC	G	Sea
Starfish, Common	<i>Asterias</i> sp.	WC	—	Aas
			G	Nme

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
ECHINODERMS				
ECHINOIDS				
Sea Urchin	<i>Arbacia</i> sp.	WC	G	Mrn Nme
	<i>Lytechinus variegatus</i>	WC	SP, SU	Gul
	<i>Strongyl ocentrotus</i> sp.	WC	G	Mrn Nme
Sea Urchin, Atlantic	<i>Arbacia punctulata</i>	WC	W, SP	Gul
Sea Urchin, Green	<i>Strongyl ocentrotus</i> <i>drobachiensis</i>	WC	G	Nme
Sea Urchin, Panamanian	<i>Lytechinus pictis</i>	WC	SU	Pbm
Sea Urchin, Purple	<i>Strongylocentrotus</i> <i>purpuratus</i>	WC	W, SP	Pbm
Urchin, Slatepencil	<i>Eucidaris tribuloides</i>	WC	G	Cau
HOLOTHUROIDS				
Sea Cucumber	<i>Eupentacta quinquesemita</i>	WC	G	Sea
Sea Cucumber, Red	<i>Cucumaria miniata</i>	WC	G	Sea
ECHIURA				
Innkeeper Worm, Fat	<i>Urechis caupo</i>	WC	G	Sea
MOLLUSCS				
BIVALVES				
Clam	<i>Anodonta</i> sp.	WC	—	Gbs

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Common Name	Scientific Name	Source	Availability	Code
MOLLUSCS				
BIVALVES				
Clam	<i>Mercenaria</i> spp.	WC	G	Mrn Nme
	<i>Mya</i> sp.	WC	G	Mrn Nme
Clam, or Quahog	<i>Mercenaria campechiensis</i>	WC	G	Gul
Clam, Hard-shell, or Quahog	<i>Mercenaria mercenaria</i>	WC	—	Aas
Clam, Soft-shell	<i>Mya arenaria</i>	WC	—	Aas
Jingle Shell	<i>Anomia simplex</i>	WC	—	Aas
Limpet	<i>Acmaea</i> spp.	WC	G	Mrn Sea
Mussel	<i>Mytilus</i> sp.	WC	G	Mrn
Mussel, Bay	<i>Mytilus edulis</i>	WC	—	Aas Sea
Mussel, Freshwater	<i>Elliptio crassidens</i>	WC	G	Sws
Mussel, Ribbed	<i>Modiolus demissus</i>	WC	—	Aas Mrn
Oyster	<i>Crassostrea</i> sp.	WC	G	Mrn
Oyster, Virginia or Eastern or North American	<i>Crassostrea virginica</i>	WC	—	Aas
Scallop	<i>Aequipecten</i> sp.	WC	G	Mrn
Scallop, Bay (Atlantic)	<i>Aequipecten irradians</i>	WC	—	Aas
CEPHALOPODS				
Octopus, Atlantic (Common)	<i>Octopus vulgaris</i>	WC	G	Aae Bfa

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
MOLLUSCS				
CEPHALOPODS				
Squid, Brief	<i>Lolliguncula brevis</i>	WC	SP, SU, F	Mbi
Squid, Long-finned	<i>Loligo pealei</i>	WC	G	Aas
Squid, Pacific Coast	<i>Loligo opalescens</i>	WC	G	Sea
GASTROPODS				
Moon Shell	<i>Polinices</i> sp.	WC	G	Nme
	<i>Polinices duplicatus</i>	WC	G	Mrn
Nudibranch, or Sea Slug	<i>Hermisenda crassicornis</i>	WC	G	Sea
Oyster Drill	<i>Urosalpinx</i> sp.	WC	—	Aas
			G	Mrn
				Nme
Periwinkle	<i>Littorina</i> sp.	WC	G	Mrn
Periwinkle, Common	<i>Littorina littorea</i>	WC	—	Aas
Sea Hare	<i>Aplysia californica</i>	WC	G	Pbm
Sea Hare, Frilled	<i>Bursatella</i> sp.	WC	G	Gul
Sea Hare, Willcox's	<i>Aplysia willcoxi</i>	WC	SP, SU	Gul
Sea Lemon	<i>Archidoris pseudoargus</i>	WC	G	Sea
Slug, Banana	<i>Ariolimax</i> sp.	WC	W	Dah
Snail	<i>Helix</i> sp.	WC	G	Sws
	<i>Nassarius</i> spp.	WC	G	Mrn
Snail, Bladder	<i>Physa</i> sp.	WC	—	Gbs

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
MOLLUSCS				
GASTROPODS				
Snail, Common or Garden	<i>Helix aspersa</i>	WC	G	Dah
			—	Gbs
Snail, Mud	<i>Nassarius obsoletus</i>	WC	—	Aas
			G	Nme
Tulip Shell	<i>Fasciolaria tulipa</i>	WC	G	Cau
Turban Shell	<i>Tegula</i> sp.	WC	G	Sea
Whelk	<i>Busycon</i> sp.	WC	—	Aas
			G	Nme
POLYPLACOPHORS				
Chiton, Black (Common)	<i>Katharina tunicata</i>	WC	G	Sea
Chiton, Gumboot or Sea Boot	<i>Cryptochiton stelleri</i>	WC	G	Sea
PLATYHELMINTHS				
TURBELLARIANS				
Worm, Flat	<i>Dugesia subtentaculata</i>	WC	G	Dah
PROTOZOANS				
FLAGELLATES				
Flagellate	<i>Tritrichomonas augusta</i>	CR*	G	Wan

* Cultured *in vitro*.

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INVERTEBRATES

Common Name	Scientific Name	Source	Availability	Code
SIPUNCULANS				
Peanut Worm	<i>Golfingia</i> spp.	WC	G	Mrn
	<i>Golfingia</i> (= <i>Phascolosoma</i>) <i>agassizi</i>	WC	G	Sea
	<i>Golfingia</i> (= <i>Phascolosoma</i>) <i>gouldi</i>	WC	G	Nme
SPONGES (Porifera)				
DEMOSPONGIDS				
Sponge	<i>Microciona</i> sp.	WC	G	Mrn
Sponge, Chicken Liver	<i>Chondrilla</i> sp.	WC	G	Cau
Sponge, Red Beard	<i>Microciona prolifera</i>	WC	G	Gul Nme
HEXACTINELLIDS				
Sponge, Simple	<i>Leucosolenia</i> sp.	WC	G	Nme

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Biologic Materials

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Companies Supplying:					
Animal	Serum	Blood	Tissues	Organs	Others
AMPHIBIANS					
Frogs	Dla	Dla, Gok	Dla	Dla, Gok	
Various Species	Dla	Dla, Gok	Dla	Dla, Gok	
BIRDS					
Chickens	Anp, Dla Flo, Gok Pfb, Roc Shk, Spa	Anp, Cla Dla, Flo Gok, Pf Roc, Shk Spa	Cla, Dla Flo, Gok Pfb, Roc Spa	Cla, Dla Flo, Gok Pfb, Roc Spa	Shk: chick serum & blood
Ducks	Dla, Roc	Cla, Dla Gok, Roc	Cla, Dla Roc	Cla, Dla Gok, Roc	
Geese	Dla, Flo Roc	Cla, Dla Flo, Gok Roc	Cla, Dla Roc	Cla, Dla Gok, Roc	
Rock Doves (Pigeons)	Dla, Roc Shk	Cla, Dla Gok, Roc Shk	Cla, Dla Roc	Cla, Dla Gok, Roc	
Turkeys	Anp, Dla Pfb, Roc	Anp, Cla Dla, Gok Pfb, Roc	Cla, Dla Pfb, Roc	Cla, Dla Gok, Pfb Roc	
FISHES					
Various Species	Dla	Dla, Gok	Dla	Dla	
Various Species, Marine	Pbm	Bfa, Pbm	Bfa, Pbm	Bfa, Pbm	Pbm: electric organ from electric rays; custom preparations

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Companies Supplying:					
Animal	Serum	Blood	Tissues	Organs	Others
INVERTEBRATES					
Marine Organisms	Pbm	Bfa, Pbm	Bfa, Pbm	Bfa, Pbm	Pbm: hemocyanin from Keyhole Limpets; custom preparations Sea: pure chitin
Squid, Pacific Coast <i>Loligo opalescens</i>					
MAMMALS					
Cats	Anp, Fab Gct, Gok Pfb, Roc	Anp, Cla Fab, Gct Gok, Pfb Roc	Cla, Fab Gct, Gok Roc	Cla, Fab Gct, Gok Roc	Gct: whole animals embalmed with dye
Cattle	Anp, Dla Faz, Flo Gok, Pfb Roc, Tdm	Anp, Cla Dla, Faz, Flo, Gok Pfb, Roc Tdm	Cla, Dla Flo, Gok Pfb	Cla, Dla Flo, Gok Pfb	
Dogs	Anp, Fab Gct, Gok Hlc, Pfb Roc, Wel	Anp, Bri Cla, Fab Gct, Gok Hlc, Pfb Roc, Wel	Cla, Gct Gok, Pfb Roc, Wel	Bri, Cla Gct, Gok Pfb, Roc Wel	Gct: whole animals embalmed with dye
Donkeys	Tdm	Tdm			
Ferrets	Dla	Dla, Rby	Dla	Dla	
Goats	Anp, Dla Faz, Flo Gok, Roc Shk, Tdm	Anp, Cla Dla, Faz Flo, Gok Roc, Shk Tdm	Cla, Dla Gok	Cla, Dla Gok	

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Animal	Companies Supplying:				
	Serum	Blood	Tissues	Organs	Others
MAMMALS					
Guinea Pigs	Anp, Dla Fab, Flo Gok, New Pfb, Roc Shk, Sim	Anp, Cla Dla, Fab Flo, Gok New, Pfb Roc, Shk Sim	Anp, Cla Dla, Flo Gok, New Pfb, Roc Sim	Cla, Dla Flo, Gok New, Pfb Roc, Sim	
Hamsters, Armenian & Chinese		Iebs	Iebs	Iebs	
Hamsters, Syrian	Anp, Dla Gok, Pfb	Anp, Cla Dla, Gok	Anp, Cla Dla, Gok	Cla, Dla Gok, Pfb	
Golden	Roc, Shk Sim	Pfb, Roc Shk, Sim	Pfb, Roc Sim	Roc, Sim	
Horses	Anp, Dla Faz, Flo Gct, Gok Pfb, Roc Tdm	Anp, Cla Dla, Faz Flo, Gct Gok, Pfb Roc, Tdm	Cla, Dla Flo, Gok	Cla, Dla Flo, Gok	
Mice	Anp, Dla Flo, Hap Pfb, Roc Shk, Sim	Anp, Dla Flo, Gok Hap, Pfb Roc, Shk Sim	Anp, Dla Flo, Hap Pfb, Roc Sim	Dla, Flo Gok, Hap Pfb, Roc Sim	
Mules	Dla	Dla			
Primates	Dla, Flo Gct, Lbi Pfb, Prl	Dla, Flo Gct, Lbi Pfb, Prl	Dla Flo Lbi, Pfb Prl	Dla, Flo Lbi, Pfb Prl	Tmf: intact preserved marmosets
Rabbits	Anp, Dla Faz, Flo Gct, New Pfb, Roc Shk	Anp, Cla Dla, Faz Flo, Gct Gok, Mgf New, Pfb Roc, Shk Whw	Anp, Cla Dla, Flo Gct, Mgf New, Pfb Roc, Vin Whw	Cla, Dla Flo, Gct Gok, Mgf New, Pfb Roc, Vin Whw	Gct: whole animals embalmed with dye

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Companies Supplying:					
Animal	Serum	Blood	Tissues	Organs	Others
MAMMALS					
Rats	Anp, Dla Fab, Flo Gct, Hap Pfb, Roc Shk, Sim Zml	Anp, Dla Fab, Flo Gct, Hap Pfb, Roc Shk, Sim Zml	Anp, Dla Fab, Flo Gct, Hap Pfb, Roc Sim, Zml	Dla, Fab Flo, Gct Hap, Pfb Roc, Sim Zml	Gct: whole animals embalmed with dye
Sheep	Anp, Dla Faz, Flo Gct, Neb Pfb, Roc Shk, Tdm	Anp, Cla Dla, Faz Flo, Gct Gok, Neb Pfb, Roc Shk, Tdm Rby	Cla, Dla Flo, Pfb	Cla, Dla Flo, Gok Pfb	
Skunks					
Swine	Anp, Dla Flo, Roc Shk, Tdm	Anp, Cla Dla, Flo Gok, Roc Shk, Tdm	Cla, Dla Flo	Cla, Dla Flo, Gok	
REPTILES					
Snakes					Zoo: venom
Turtles	Dla	Dla, Gok	Dla	Dla, Gok	
Various Species	Dla	Dla	Dla	Dla	

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Codes and Addresses for Suppliers of Laboratory Animals*

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* Codes have been assigned by Samuel M. Poiley, the representative designated by the International Committee on Laboratory Animals (ICLA) for the Americas. The symbols assigned to a specific organization have been officially listed and will not be changed or reassigned.

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41045 McKenzie Highway
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(503) 747-7543
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Alan Campbell
11203 Roswell Avenue
Pomona, CA 91766
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- Adv** ADVENTURE HILL
Edith Tramutola
Highway 31 North
Clinton, NJ 08809
(201) 638-8609
- Akl** A AND K LABORATORY ANIMALS
Elinor R. Adams and
Janice H. Ormiston
Box 936
Post Falls, ID 83854
(208) 667-8142
- Alh** ASI LOBSTER HATCHERY
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P. O. Box 263
Guilford, CT 06437
(203) 453-3705
- Anp** ANCARE CORP.
Nancy Caldwell or
Stanley Kanarek
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