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SIMONSEN
LABORATORIES

ORIGIN AND STRAIN DESIGNATIONS

To learn more about the animals that interest you click on the categories from the menu to your right.

Rats:

Outbred:

[LONG EVANS](#)

[WISTAR](#)

[S/A SIMONSEN ALBINO](#)

Inbred:

[FISCHER 344](#)

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Mice:

Outbred

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Mutant

[HAIRLESS MICE](#)

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[SCID MICE](#)

Inbred

[BALB/cAnNCrSim](#)

[C3H/HeNCrSim](#)

[C57BL/6NCrSim](#)

[DBA/2NCrSim](#)

[FVB/NCrSim](#)

Hybrid (Bred on Demand)

[B6C3F1/Sim](#)

[B6D2F1/Sim](#)

[CB6F1/Sim](#)

[CD2F1/Sim](#)

[JRCF1/Sim](#)

Hamsters:

[SYRIAN HAMSTERS](#)

OUTBRED RATS: Closed colonies, C.B.C. isolator/barrier maintained.

INBRED RATS: Closed colonies, C.B.C. isolator/ barrier maintained.

OUTBRED MICE: C.B.C. isolator maintained.

MUTANT MICE: C.B.C. isolator maintained.

INBRED MICE: C.B.C. isolator maintained.

HYBRID MICE: C.B.C. isolator maintained Additional F1 Hybrids can be provided to your specifications. Please contact Customer Service for details.

SYRIAN HAMSTERS: C.B.C. isolator/Barrier maintained.

[2010-2011](#)

[Price Book](#)

Simonsen Services

Do you need?

- To expand those valuable transgenic colonies?
- To increase housing capacity?
- To establish a backup colony?
- To protect the health integrity of the colony?
- To eliminate murine pathogens from valuable rodent strains?
- To maintain colonies in a pathogen-free condition?

Custom Housing & Production

Simonsen Laboratories through their Simonsen Services Division is pleased to offer rodent housing and production in flexible film isolators, either glove box or room-size, depending on the scope of your project.

Housing and production services feature:

- Production reports generated weekly.
- Summary production reports generated monthly.
- Inventory of stock animals itemized monthly.
- Health report generated quarterly.
- FREE shipping in our local delivery area with an \$13.00 box charge. Out of area customer pays for air freight, local delivery and box charges.
- Mate to customer's specifications.
- Production maximized.

Flexibility:

Simonsen's staff works closely with the customer following their guidelines.

Over 35 years of contract production experience.

Integrity of isolator housing system.

Additional Caesarean rederivation service suitable to enhance quality of production and animal health.

The cost for this service is:

\$1850 per month per glove box isolator

Production in room-sized isolators is quoted according to the requirements of your project. Please call for quotation.

Caesarean Rederivation Services

Simonsen Laboratories is pleased to offer Gnotobiotic Caesarean Rederivation of both rats and mice.

The charges per strain are as follows:

Caesarean surgery	\$2,775
Isolator rental	\$1,850/month
Technologist time	\$76.55/hour

An isolator must be rented for animal housing for the duration of the project. Isolator charges include: maintenance (feed, water, cage cleaning), foster dams, and health monitoring. An isolator accommodates 33 mouse or 12 rat cages.

Laboratory technician time varies depending upon the amount of participation required from Simonsen technologists and is billed on a per hour basis. Additional charges are billed for tissue and serum transportation for customers located outside our local delivery area.

Simonsen has performed extensive numbers of caesarean rederivations for many years. However, we cannot guarantee that the foster mothers accept the offspring or that the uterus will stay intact during the surgery. These are not normal occurrences with Simonsen techniques for rederivation, but are beyond our control and not warranted. Simonsen's customized rederivation service will meet requirements for developing pathogen-free colonies of rats and mice.

Simonsen will accept up to 6 pregnant females per strain for rederivation. There is no guarantee of number of weaned litters or number of surgeries performed. Simonsen will attempt to provide a successful rederivation of the line.

ABOUT SIMONSEN LABORATORIES



Simonsen Laboratories supplies animals, diets and related services for research and education. Founded in 1946 the family-owned and operated business has evolved into over 100,000 square feet of state-of-the-art barrier systems dedicated to the production of certified pathogen-free rodents. Simonsen Laboratories' main facilities occupy over ten acres in California's beautiful Santa Clara Valley.



As it has been for over sixty years, Simonsen Laboratories' main goal is customer satisfaction. Simonsen is committed to provide only the highest quality animals, backed by the personalized service of the Simonsen family.

Simonsen Laboratories is a member of the [American Association for Laboratory Animal Science \(AALAS\)](#).

SPECIAL ITEMS AND SERVICES

SIMONSEN LABORATORY DIETS

DIETS

Feeds are stocked in pellet or powdered form in 50 lb. bags. 25 lb. bags available on request.

Autoclavable Diet \$68.95

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BEDDING

BEDDING

Alpha-Dri Animal Bedding \$55.20

Cellulose Animal Bedding \$33.10

SHIPPING

BOXES

(IF PURCHASED
SEPARATELY)

SHIPPING BOXES

[Full Shipping Box](#) (Filtered, 17X17X7) \$22.10

Full Shipping Box - 2 Compartment (Filtered 17X17X7) \$26.25

Full Shipping Box - 4 Compartment (Filtered, 17X17X7) \$33.50

[1/2 Shipping Box](#) (Filtered, 17X7X7) \$14.80

1/2 Split Shipping Box - 2 Compartment (Filtered, 17x7x7) \$16.40

Agar Gel Pack \$8.30

BIOLOGICS

BIOLOGICS AND TECHNICAL SERVICES

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TECHNICAL SERVICES

Simonsen Laboratories can provide serum, plasma, whole blood or harvested tissues and organs from mice, rats, and hamsters. Prices are quoted at the time of request and are based on quantity needed, animal strain, sample preservation and collection specifications.

Simonsen Laboratories also offers a full range of custom breeding and colony rederivation services through its subsidiary, [Simonsen Services](#). Please contact us for pricing and availability:

Simonsen Services
(408) 847-2002

www.simlab.com

E-mail: services@simlab.com

TECHNICAL PROCEDURES

(Plus Cost of
Animals)

TECHNICAL PROCEDURES	RATS	MICE	HAMSTERS
Vasectomy	\$13.45	\$14.70	\$13.45
Castration	\$7.90	\$7.90	\$10.05
Ovariectomy	\$9.10	\$9.10	\$12.50
Nephrectomy	\$12.50	\$11.10	\$13.45
Adrenalectomy	\$11.90	\$13.80	\$14.84
Thyroidectomy	\$12.50	\$16.35	\$16.05
Splenectomy	\$12.00	\$19.05	\$11.60
Jugular Vein Cannulations	\$44.45		
Bile duct Cannulation	\$82.30		
Other Procedures	Prices Available on Request		

DIAGNOSTIC SERVICES

[Health Status Profiles:](#)

[Mouse](#)

[Rat](#)

[Hamster](#)

[Guinea Pig](#)

[Rabbit](#)

[Serology Panels](#)

[Diagnostic Testing](#)

[Environmental Microbiology](#)

[MAP Testing](#)

[Fee Schedule](#)

[Shipping Info](#)

[Request Form](#)

Simonsen Laboratories now offers to our customers full service diagnostic and health status testing for rodents, rabbits, and other species

Under the supervision of an experienced laboratory animal pathologist, our Diagnostic Division can provide you with accurate and expedient results.

For Simonsen customers in the San Francisco Bay Area, we offer free sample pickup and transportation to our laboratory in Gilroy, California.

We also provide free consultation to customers regarding the interpretation and significance of test results.

To view the latest [Quarterly Health Reports](#), please click on the title.

For information about Health Status Profiles, diagnostic services, pricing, and sample submission click on the topics listed in the left margin, or contact us directly at:

Simonsen Laboratories Diagnostic Division

Phone (408)847-2002

Fax (408)847-4176

Email: dxlab@simlab.com

ORDERING INFORMATION

Since 1946 we have offered animals, diets and related services for research and education.

If you have need for any of our products and would like information about methods, techniques or animals, please call or write us.

OUR TERMS: Please pay all deliveries by our invoices, not our daily delivery tags

A \$13.00 service charge will be added to any order under \$130.00; \$13.00 per Shipping Box will be added to all orders, plus delivery charge where applicable. Littermates (Includes Earmarking if Requested) \$4.10.

A service charge of 1.5% per month, amounting to 18% per year, will be added to any part of the total due which is not received within 30 days of invoice date. A 50 cent minimum charge will be assessed on overdue accounts \$25.00 and under.

If it becomes necessary to institute any legal action to collect on this account, Simonsen Laboratories, over and above any other recovery, shall be entitled to recover its court costs, reasonable attorney's fees, and all other collection due.

PREGNANCIES: Usually 50% of all animals will be pregnant when observed by the vaginal plug method. Inbred mice are excluded. No guarantee will be given on these animals until such time as they can be determined pregnant by palpation. All other animals that can be determined pregnant, by either gross observation or palpation, will be guaranteed 100% pregnant.

WARRANTY: Simonsen Laboratories delivers animals and related products in accordance with your specific purchase order. If, upon receipt, the animals do not meet your specifications and are unacceptable, Simonsen Laboratories must be notified within 14 days. The company, at its discretion, will either replace or issue credit for animals or products which are unsuitable. This is the exclusive warranty of Simonsen Laboratories, and there are no further warranties, expressed or implied, including any implied warranty of merchantability. In no event shall Simonsen Laboratories be liable for any incidental, consequential or economic damage.

"SHC" Certified

LONG EVANS

LONG EVANS Sim: (LE)	Approx. Age (Days)		Price	
	Male	Female	Male	Female
Newborn to 60 grams	21	21	\$12.30	\$12.30
60 to 80 grams	24	23	\$13.50	\$13.50
80 to 100 grams	28	28	\$15.90	\$15.90
100 to 120 grams	30	35	\$17.25	\$17.25
120 to 140 grams	35	42	\$18.60	\$18.60
140 to 160 grams	38	49	\$19.45	\$19.45
160 to 180 grams	42	56	\$20.70	\$21.55
180 to 200 grams	46	63	\$22.45	\$23.55
200 to 220 grams	49	66	\$24.50	\$25.40
220 to 240 grams	54	70	\$26.70	\$27.95
240 to 260 grams	56	77	\$29.20	\$30.50
260 to 280 grams	63	-	\$31.10	-
280 to 300 grams	66	-	\$33.00	-
300 to 325 grams	70	-	\$34.95	-
325 to 350 grams	77	-	\$36.90	-
350 to 400 grams	84	-	\$38.70	-
400+	84+	-	Request	-
Pregnant Untimed			-	\$56.55
Pregnant Timed			-	\$76.55
Retired Breeders			\$21.00	\$19.45
Proven Breeders			\$57.15	\$57.15
Female w/Litter (Pups up to 12 Days)			-	\$76.45
Female w/Litter (Pups over 12 Days)			-	\$97.70

Long Evans

Sim:(LE) (Black-hooded)

Received from Dr. Evans, University of California, Berkeley - Experimental Institute of Biology in 1949. Caesarean rederived in 1997. Selection is based on the black-hooded phenotype.

"SHC" Certified

WISTAR Sim: (WI)	Approx. Age (days)		Price	
	Male	Female	Male	Female
Newborn to 60 grams	21	21	\$ 10.35	\$ 10.35
60 to 80 grams	24	27	\$ 11.65	\$ 11.65
80 to 100 grams	28	29	\$ 14.05	\$ 14.04
100 to 120 grams	30	34	\$ 16.00	\$ 16.20
120 to 140 grams	35	38	\$ 17.20	\$ 17.50
140 to 160 grams	38	42	\$ 18.60	\$ 18.90
160 to 180 grams	42	50	\$ 19.75	\$ 19.90
180 to 200 grams	45	60	\$ 21.25	\$ 21.70
200 to 220 grams	50	70	\$ 22.85	\$ 24.10
220 to 240 grams	54	80	\$ 24.35	\$ 26.90
240 to 260 grams	57	90	\$ 25.70	\$ 29.65
260 to 280 grams	60	-	\$ 27.00	\$ 33.35
280 to 300 grams	63	-	\$ 28.40	-
300 to 325 grams	70	-	\$ 30.25	-
325 to 350 grams	77	-	\$ 32.75	-
350 to 400 grams	90	-	\$ 35.20	-
400 to 450 grams	100	-	\$ 37.65	-
450+	-	-	Request	-
Pregnant Female (Untimed)			-	\$ 54.40
Pregnant Female (Timed)			-	\$ 74.10
Retired Breeders			\$ 21.25	\$ 17.85
Proven Breeders			\$ 47.50	\$ 47.50
Female w/Litter (Pups to 12 Days)			-	\$ 86.35
Female w/Litter (Pups over 12 Days)			-	\$ 95.80

Wistar

Sim: (WI) (Albino)

Received from the Lobund Institute, University of Notre Dame in 1957.

Caesarean rederived in 1997.

S/A SIMONSEN ALBINO

"SHC" Certified

Sim: (SD) (Sprague-Dawley Derived)	Approx. Age (Days)		Price		50-199 Price		200+ Price	
	Male	Female	Male	Female	Male	Female	Male	Female
Newborn to 60 grams	21	21	\$ 10.15	\$ 10.15	\$ 9.75	\$ 9.75	\$ 9.25	\$ 9.25
60 to 80 grams	24	27	\$ 11.65	\$ 11.65	\$ 11.20	\$ 11.20	\$ 10.65	\$ 10.65
80 to 100 grams	28	29	\$ 14.05	\$ 14.05	\$ 13.50	\$ 13.50	\$ 12.85	\$ 12.85
100 to 120 grams	30	34	\$ 16.00	\$ 16.20	\$ 15.35	\$ 15.50	\$ 14.60	\$ 14.75
120 to 140 grams	35	38	\$ 17.20	\$ 17.50	\$ 16.55	\$ 16.80	\$ 15.70	\$ 15.95
140 to 160 grams	38	42	\$ 18.60	\$ 18.90	\$ 17.85	\$ 18.15	\$ 16.95	\$ 17.25
160 to 180 grams	42	50	\$ 19.75	\$ 19.90	\$ 18.95	\$ 19.10	\$ 18.00	\$ 18.15
180 to 200 grams	45	60	\$ 21.25	\$ 21.70	\$ 20.40	\$ 20.75	\$ 19.40	\$ 19.75
200 to 220 grams	50	70	\$ 22.85	\$ 24.10	\$ 21.90	\$ 23.15	\$ 20.85	\$ 22.00
220 to 240 grams	54	80	\$ 24.35	\$ 26.90	\$ 23.40	\$ 25.75	\$ 22.20	\$ 24.45
240 to 260 grams	57	90	\$ 25.70	\$ 29.65	\$ 24.65	\$ 28.50	\$ 23.40	\$ 27.05
260 to 280 grams	60	-	\$ 27.00	\$ 33.35	\$ 25.90	\$ 32.00	\$ 24.60	\$ 30.40
280 to 300 grams	63	-	\$ 28.40	-	\$ 27.25	-	\$ 25.90	-
300 to 325 grams	70	-	\$ 30.25	-	\$ 29.05	-	\$ 27.60	-
325 to 350 grams	77	-	\$ 32.75	-	\$ 31.45	-	\$ 29.90	-
350 to 400 grams	90	-	\$ 35.20	-	\$ 33.80	-	\$ 32.10	-
400 to 450 grams	100	-	\$ 37.65	-	\$ 36.15	-	\$ 34.35	-
450+	100+	-	Request	-				
Pregnant Untimed			-	\$ 54.40				
Pregnant Timed			-	\$ 74.10				
Retired Breeders			\$ 21.25	\$ 17.85				
Proven Breeders			\$ 47.50	\$ 47.50				
Female w/Litter (Pups to 12 Days)			-	\$ 86.35				
Female w/Litter (Pups over 12 Days)			-	\$ 95.80				

S / A Simonsen Albino

Sim:(SD) (Albino)

Received Sprague-Dawley derived breeding stock from Charles River Laboratory in 1958 and crossed with Sprague-Dawley rats received from ARS/Sprague-Dawley in 1975. Caesarean rederived in 1997.

"SHC" Certified

FISCHER 344

F344/Nsim	Approx. Age (days)		Price	
	Male	Female	Male	Female
Newborn to 50 grams	21	28	\$ 16.70	\$ 16.70
50 to 70 grams	28	35	\$ 18.40	\$ 19.05
70 to 100 grams	35	42	\$ 20.30	\$ 22.70
100 to 130 grams	38	52	\$ 23.50	\$ 25.85
130 to 160 grams	42	63	\$ 27.05	\$ 28.65
160 to 180 grams	49	70	\$ 28.60	\$ 33.10
180 to 200 grams	56	80	\$ 31.65	\$ 37.35
200 to 220 grams	59	-	\$ 35.10	-
220 to 240 grams	63	-	\$ 36.95	-
240 to 260 grams	70	-	\$ 39.65	-
260 to 280 grams	77	-	\$ 43.70	-
280 to 300 grams	84	-	\$ 49.45	-
300 to 325 grams	84+	-	\$ 55.45	-
325+			Request	-
Pregnant Female (Untimed)			-	\$ 69.75
Pregnant Female (Timed)			-	\$ 85.30
Retired Breeders			\$ 23.20	\$ 22.85
Proven Breeders			\$ 74.20	\$ 74.20
Female w/Litter (Pups to 12 Days)			-	\$104.20
Female w/Litter (Pups over 12 Days)			-	\$116.85

Fischer 344

F344/NSim (Albino)

Gnotobiotic pedigreed breeders received from the NIH repository colony in 2005. Most widely used inbred rat strain, particularly for toxicology and teratology.

"SHC" Certified

SWISS WEBSTER Sim: (SW)	Age (days)		Price		50-199 Price		200+ Price	
	Male	Female	Male	Female	Male	Female	Male	Female
Newborn to 12 grams	18	18	\$ 3.90	\$ 3.90	\$ 3.75	\$ 3.75	\$ 3.55	\$ 3.55
12 to 14 grams	21	21	\$ 4.00	\$ 4.00	\$ 3.85	\$ 3.85	\$ 3.65	\$ 3.65
14 to 17 grams	24	24	\$ 4.10	\$ 4.10	\$ 3.90	\$ 3.90	\$ 3.65	\$ 3.65
17 to 20 grams	28	28	\$ 4.20	\$ 4.20	\$ 3.95	\$ 3.95	\$ 3.70	\$ 3.70
20 to 23 grams	31	35	\$ 4.40	\$ 4.40	\$ 4.00	\$ 4.00	\$ 3.70	\$ 3.70
23 to 27 grams	35	42	\$ 4.50	\$ 4.50	\$ 4.00	\$ 4.00	\$ 3.70	\$ 3.70
27 to 30 grams	42	49	\$ 4.50	\$ 4.50	\$ 4.00	\$ 4.00	\$ 3.70	\$ 3.70
30 to 35 grams	49	56	\$ 4.80	\$ 4.80	\$ 4.40	\$ 4.40	\$ 4.00	\$ 4.00
35 to 40 grams	56	-	\$ 5.25	\$ 5.25	\$ 4.50	-	\$ 4.10	-
40 to 45 grams	63	-	\$ 5.75	\$ 5.75	\$ 4.50	-	\$ 4.50	-
45+	-	-	Request	-				
Pregnant Untimed			-	\$ 22.10				
Pregnant Timed			-	\$ 30.50				
Retired Breeders			\$ 4.30	\$ 4.30				
Proven Breeders			\$ 15.75	\$ 15.75				
Female w/Litter (Pups up to 12 Days)			-	\$ 43.50				
Female w/Litter (Pups over 12 Days)			-	\$ 51.15				

Swiss Webster

Sim: (SW) (Albino)

Original stocks received from Rolfsmeyer Co. in 1956; crossed with NIH Swiss received from Ace Animals in 1981. Caesarean rederived in 1997 and maintained by systematic outbred mating.

"SHC" Certified

HAIRLESS MICE

Sim: HRS/hr hr	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	10 to 14	\$ 13.55	\$ 13.55
4 to 5 weeks old	14 to 16	14 to 16	\$ 14.25	\$ 14.25
5 to 6 weeks old	16 to 18	16 to 18	\$ 15.05	\$ 15.05
6 to 7 weeks old	18 to 20	18 to 20	\$ 15.80	\$ 15.80
7 to 8 weeks old	20 to 22	20 to 22	\$ 16.55	\$ 16.55
8 to 9 weeks old	22 to 24	22 to 24	\$ 17.75	\$ 17.75
9 to 10 weeks old	24 to 28	24 to 28	\$ 19.00	\$ 19.00
10+	Request			
Pregnant Female (Untimed)			-	\$ 77.70
Retired Breeders			\$ 14.80	\$ 14.80

Hairless Mice

Sim: (HRS) hr/hr

Received from Temple University, via Allergan Pharmaceuticals, in 1985 and backcrossed onto Simonsen Swiss Webster stock. Caesarean rederived in 1997. Maintained by systematic outbred mating.

ATHYMIC NUDE MICE

"SHC" Certified

Homozygous (nu/nu) Sim:(NCr) nu/nu fisol	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	10 to 13	10 to 14	\$29.55	\$33.60
4 to 5 weeks old	13 to 15	14 to 16	\$30.20	35.40
5 to 6 weeks old	15 to 19	16 to 20	\$30.80	\$38.75
6 to 7 weeks old	19 to 23	20 to 24	\$31.45	\$40.70
7 to 8 weeks old	23 to 27	24 to 28	\$31.20	\$43.80
8 to 9 weeks old	27+	28+	\$31.80	\$47.95
9 to 10 weeks old			\$32.40	\$53.30
10+			Request	

Heterozygous(nu/+) Sim:(NCr) nu/+ fisol	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	14 to 18	14 to 18	\$13.00	\$13.00
4 to 5 weeks old	18 to 22	18 to 22	\$15.10	\$15.10
5 to 6 weeks old	22 to 26	22 to 26	\$17.40	\$17.40
6 to 7 weeks old	26 to 30	26 to 30	\$19.70	\$19.70
7 to 8 weeks old	30 to 34	30 to 34	\$22.20	\$22.20
8 to 9 weeks old	34+	34+	\$24.45	\$24.45
9 to 10 weeks old			\$27.10	\$27.10
10+			Request	

Athymic Nude Mice

Sim: (NCr) nu/nu fisol

NIH nude mice with BALB/c background received from NIH in 1994.

Maintained in a C.B.C. isolator. Homozygous and heterozygous stocks available.

"SHC" Certified

BALB/cAnNCrSim

	Weight (grams)		Price		200+ Price	
	Male	Female	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	12 to 14	\$ 12.40	\$ 14.00	\$ 10.50	\$ 11.90
4 to 5 weeks old	14 to 16	14 to 16	\$ 13.30	\$ 14.55	\$ 11.50	\$ 12.80
5 to 6 weeks old	16 to 18	16 to 18	\$ 14.55	\$ 15.60	\$ 12.25	\$ 13.20
6 to 7 weeks old	18 to 20	18 to 20	\$ 15.25	\$ 16.20	\$ 12.90	\$ 14.20
7 to 8 weeks old	20 to 22	20 to 22	\$ 16.80	\$ 17.75	\$ 14.80	\$ 15.80
8 to 9 weeks old	22 to 25	22 to 24	\$ 17.40	\$ 18.20	\$ 15.30	\$ 16.20
9 to 10 weeks old	25 to 28	24 to 27	\$ 17.80	\$ 18.80	\$ 15.80	\$ 16.80
10 to 11 weeks old	28 to 30	24 to 27+	\$ 19.55	\$ 20.10	\$ 17.60	\$ 18.10
11 to 12 weeks old	28 to 30+		\$ 20.95	\$ 21.75	\$ 19.00	\$ 19.75
12 to 13 weeks old			\$ 21.60	\$ 22.80	\$ 19.50	\$ 20.80
13 to 14 weeks old			\$ 24.00	\$ 24.60	\$ 21.90	\$ 22.60
14+			Request			
Pregnant Untimed			-	\$ 73.40		
Pregnant Timed			-	\$ 99.95		
Retired Breeders			\$ 13.10	\$ 14.00		
Proven Breeders			\$ 36.00	\$ 36.00		
Female w/Litter (Pups to 12 Days)			-	\$ 96.25		
Female w/Litter (Pups over 12 Days)			-	\$107.00		

BALB/cAnNCrSim (Albino)

Gnotobiotic pedigreed breeders of this inbred strain received from NIH in 1995. Maintained by BXS mating. Genetic monitoring performed every fourth generation.

"SHC" Certified

C3H/HeNCrSim	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	12 to 14	\$ 12.15	\$ 13.00
4 to 5 weeks old	14 to 16	14 to 16	\$ 13.25	\$ 13.55
5 to 6 weeks old	16 to 18	16 to 18	\$ 13.65	\$ 14.50
6 to 7 weeks old	18 to 20	18 to 20	\$ 14.75	\$ 15.45
7 to 8 weeks old	20 to 22	20 to 22	\$ 15.65	\$ 16.55
8 to 9 weeks old	22 to 25	22 to 24	\$ 16.75	\$ 17.55
9 to 10 weeks old	25 to 28	24 to 27	\$ 17.70	\$ 18.60
10 to 11 weeks old	25 to 28+	24 to 27+	\$ 19.20	\$ 20.10
11 to 12 weeks old			\$ 20.75	\$ 21.75
12 to 13 weeks old			\$ 23.70	\$ 22.95
13 to 14 weeks old			\$ 25.20	\$ 24.50
14+			Request	
Pregnant Female (Untimed)				\$ 63.60
Pregnant Female (Timed)				\$ 87.95
Retired Breeders			\$ 10.65	\$ 11.10
Proven Breeders			\$ 36.65	\$ 36.65
Female w/Litter (Pups to 12 Days)				\$ 93.80
Female w/Litter (Pups over 12 Days)				\$108.70

C3H/HeNCrSim MTV-(Agouti)

Gnotobiotic pedigreed breeders of this inbred strain received from NIH in 1995. Maintained by BXS mating. Genetic monitoring performed every fourth generation.

"SHC" Certified

C57BL/6NCrSim	Weight (grams)		Price		200+ Price	
	Male	Female	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	10 to 12	\$ 13.75	\$ 14.95	\$ 12.75	\$ 13.95
4 to 5 weeks old	14 to 16	12 to 14	\$ 14.35	\$ 15.80	\$ 13.35	\$ 14.70
5 to 6 weeks old	16 to 18	14 to 16	\$ 15.55	\$ 16.80	\$ 14.15	\$ 15.50
6 to 7 weeks old	18 to 20	16 to 18	\$ 15.90	\$ 17.25	\$ 14.50	\$ 15.95
7 to 8 weeks old	20 to 22	18 to 20	\$ 16.80	\$ 18.15	\$ 15.60	\$ 16.75
8 to 9 weeks old	22 to 25	20 to 22	\$ 17.40	\$ 18.70	\$ 16.10	\$ 17.20
9 to 10 weeks old	25 to 28	22 to 24	\$ 17.85	\$ 19.05	\$ 16.55	\$ 17.60
10 to 11 weeks old	25 to 28+	22 to 24+	\$ 20.55	\$ 21.45	\$ 19.30	\$ 19.95
11 to 12 weeks old			\$ 21.95	\$ 22.40	\$ 20.65	\$ 21.00
12 to 13 weeks old			\$ 23.40	\$ 23.75	\$ 22.10	\$ 22.45
13 to 14 weeks old			\$ 24.80	\$ 25.00	\$ 23.50	\$ 23.70
14+			Request			
Pregnant Female (Untimed)				\$ 90.75		
Pregnant Female (Timed)				\$113.85		
Retired Breeders			\$ 13.25	\$ 13.25		
Proven Breeders			\$ 36.95	\$ 36.95		
Female w/Litter (Pups to 12 Days)				\$103.15		
Female w/Litter (Pups over 12 Days)				\$110.00		

C57BL/6NCrSim (Black)

Gnotobiotic pedigreed breeders of this inbred strain received from NIH in 1995. Maintained by BXS mating. Genetic monitoring performed every fourth generation.

"SHC" Certified

DBA/2NcCrSim

	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	10 to 12	\$ 18.30	\$ 18.30
4 to 5 weeks old	14 to 16	12 to 14	\$ 19.40	\$ 20.05
5 to 6 weeks old	16 to 18	14 to 16	\$ 20.25	\$ 21.25
6 to 7 weeks old	18 to 20	16 to 18	\$ 21.60	\$ 22.70
7 to 8 weeks old	20 to 22	18 to 20	\$ 22.80	\$ 24.05
8 to 9 weeks old	22 to 24	20 to 22	\$ 24.05	\$ 25.30
9 to 10 weeks old	24 to 28	22 to 24	\$ 25.25	\$ 26.55
10 to 11 weeks old	24 to 28+	22 to 24+	\$ 26.60	\$ 28.05
11 to 12 weeks old	24 to 28+	22 to 24+	\$ 27.90	\$ 29.40
12 to 13 weeks old	24 to 28+	22 to 24+	\$ 29.35	\$ 30.75
13 to 14 weeks old	24 to 28+	22 to 24+	\$ 30.65	\$ 32.10
14+	Request			
Pregnant Female (Untimed)				\$ 77.80
Pregnant Female (Timed)				\$110.50
Retired Breeders			\$ 11.55	\$ 12.00
Proven Breeders			\$ 48.10	\$ 48.10
Female w/Litter (Pups to 12 Days)				\$104.95
Female w/Litter (Pups over 12 Days)				\$118.55

DBA/2NcCrSim (Non agouti dilute brown)

Gnotobiotic pedigreed breeders of this inbred strain received from NIH in 1995. Maintained by BXS mating. Genetic monitoring performed every fourth generation.

"SHC" Certified

FVB/NCrSim

	Weight (grams)		Price	
	Male	Female	Male	Female
Newborn to 3 weeks old	up to 12	up to 12	\$ 9.85	\$ 9.85
3 to 4 weeks old	12 to 16	12 to 16	\$ 10.30	\$ 10.30
4 to 5 weeks old	16 to 18	16 to 18	\$ 11.30	\$ 11.30
5 to 6 weeks old	18 to 20	18 to 20	\$ 12.05	\$ 12.05
6 to 7 weeks old	20 to 23	20 to 22	\$ 12.80	\$ 12.80
7 to 8 weeks old	23 to 25	22 to 24	\$ 13.50	\$ 13.50
8 to 9 weeks old	25 to 28	24 to 26	\$ 14.35	\$ 14.35
9 to 10 weeks old	28 to 30	26 to 28	\$ 15.00	\$ 15.00
10+			Request	
Pregnant Female (Untimed)				\$ 51.40
Pregnant Female (Timed)				\$ 70.60
Retired Breeders			\$ 8.95	\$ 8.95
Proven Breeders			\$ 29.60	\$ 29.60
Female w/Litter (Pups to 12 Days)				\$ 84.00
Female w/Litter (Pups over 12 Days)				\$ 93.65

FVB/NCrSim (Albino)

Gnotobiotic pedigreed breeders of this inbred strain received from NIH in 1995. Maintained by BXS mating. Genetic monitoring performed every fourth generation.

"SHC" Certified

B6C3F1/Sim (C57BL/6 x C3H/He)	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	12 to 14	\$ 11.95	\$ 12.95
4 to 5 weeks old	14 to 16	14 to 16	\$ 13.60	\$ 14.90
5 to 6 weeks old	16 to 18	16 to 18	\$ 14.90	\$ 16.20
6 to 7 weeks old	18 to 20	18 to 20	\$ 16.20	\$ 17.45
7 to 8 weeks old	20 to 22	20 to 22	\$ 17.60	\$ 19.00
8 to 9 weeks old	22 to 25	22 to 24	\$ 19.15	\$ 20.40
9 to 10 weeks old	25 to 28	24 to 27	\$ 20.70	\$ 22.00
10 to 11 weeks old	28 to 30	24 to 27	\$ 22.30	\$ 23.60
11 to 12 weeks old	28 to 30	24 to 27	\$ 23.95	\$ 25.25
12 to 13 weeks old	28 to 30	24 to 27	\$ 25.50	\$ 26.85
13 to 14 weeks old	28 to 30	24 to 27	\$ 27.20	\$ 28.50
14+ weeks				Request

B6C3F1/Sim (Agouti)

Offspring from a cross between a female C57BL/6NCrSim and a male C3H/HeNCrSim

"SHC" Certified

B6D2F1/Sim (C57BL/6 x DBA/2)	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	10 to 12	\$ 12.35	\$ 13.40
4 to 5 weeks old	14 to 16	12 to 14	\$ 14.10	\$ 15.45
5 to 6 weeks old	16 to 18	14 to 16	\$ 15.45	\$ 16.75
6 to 7 weeks old	18 to 20	16 to 18	\$ 16.75	\$ 18.05
7 to 8 weeks old	20 to 22	18 to 20	\$ 18.25	\$ 19.60
8 to 9 weeks old	22 to 24	20 to 22	\$ 19.85	\$ 21.15
9 to 10 weeks old	24 to 28	22 to 25	\$ 21.45	\$ 22.80
10 to 11 weeks old	24 to 28+	22 to 25+	\$ 23.10	\$ 24.45
11 to 12 weeks old	24 to 28+	22 to 25+	\$ 24.80	\$ 26.15
12 to 13 weeks old	24 to 28+	22 to 25+	\$ 26.45	\$ 27.80
13 to 14 weeks old	24 to 28+	22 to 25+	\$ 28.15	\$ 29.55
14+			Request	

B6D2F1/Sim (Black)

Offspring from a cross between a female C57BL/6NCrSim and a male DBA/2NCrSim.

"SHC" Certified

CB6F1/Sim (BALB/c x C57BL/6)	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	10 to 14	\$ 12.50	\$ 12.50
4 to 5 weeks old	14 to 16	14 to 16	\$ 13.60	\$ 14.90
5 to 6 weeks old	16 to 18	16 to 18	\$ 14.90	\$ 16.20
6 to 7 weeks old	18 to 20	18 to 20	\$ 16.20	\$ 17.45
7 to 8 weeks old	20 to 22	20 to 22	\$ 17.60	\$ 19.00
8 to 9 weeks old	22 to 24	22 to 24	\$ 19.15	\$ 20.40
9 to 10 weeks old	24 to 28	24 to 28	\$ 20.70	\$ 22.00
10+	Request			
Pregnant Female (Untimed)			-	\$ 71.20
Retired Breeders			\$ 10.60	\$ 14.50

CB6F1/Sim BR (Dilute Brown)

Offspring from a cross between a female BALB/cAnNCrSim and a male C57BL/6NCrSim.

"SHC" Certified

CD2F1/Sim (BALB/c x DBA/2)	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	12 to 14	9 to 12	\$ 11.95	\$ 12.95
4 to 5 weeks old	14 to 16	12 to 14	\$ 13.60	\$ 14.90
5 to 6 weeks old	16 to 18	14 to 16	\$ 14.90	\$ 16.20
6 to 7 weeks old	18 to 20	16 to 18	\$ 16.20	\$ 17.45
7 to 8 weeks old	20 to 22	17 to 19	\$ 17.60	\$ 19.00
8 to 9 weeks old	23+	20+	\$ 19.15	\$ 20.40
9 to 10 weeks old			\$ 20.70	\$ 22.00
10 to 11 weeks old			\$ 22.30	\$ 23.60
11 to 12 weeks old			\$ 23.95	\$ 25.25
12 to 13 weeks old			\$ 25.50	\$ 26.85
13 to 14 weeks old			\$ 27.20	\$ 28.50
14+			Request	

CD2F1/Sim BR (Reddish Brown)

Offspring from a cross between a female BALB/cAnNCrSim and a male DBA/2NCrSim.

"SHC" Certified

IRCF1/Sim

(ICR x BALB/c)

Weight (grams)

Price

	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	up to 14	up to 14	\$ 10.40	\$ 10.40
4 to 5 weeks old	14 to 16	14 to 16	\$ 11.00	\$ 11.00
5 to 6 weeks old	16 to 18	16 to 18	\$ 11.75	\$ 11.75
6 to 7 weeks old	18 to 20	18 to 20	\$ 13.50	\$ 13.50
7 to 8 weeks old	20 to 22	20 to 22	\$ 14.70	\$ 14.70
8 to 9 weeks old	22 to 24	22 to 24	\$ 15.30	\$ 15.30
9 to 10 weeks old	24 to 28	24 to 27	\$ 16.90	\$ 16.90
10+	Request			

IRCF1/Sim BR (Albino)

Offspring from a cross between a female outbred Sim: (ICR) and an inbred male BALB/cAnN Sim.

"SHC" Certified

SYRIAN HAMSTERS

Sim: (SYR)	Weight (grams)		Price	
	Male	Female	Male	Female
3 to 4 weeks old	30 to 50	30 to 40	\$ 13.35	\$ 13.35
4 to 5 weeks old	50 to 70	40 to 60	\$ 15.20	\$ 15.20
5 to 6 weeks old	70 to 100	60 to 80	\$ 17.00	\$ 17.00
6 to 7 weeks old	100 to 120	80 to 110	\$ 19.30	\$ 19.30
7 to 8 weeks old	120 to 140	110 to 125	\$ 23.10	\$ 23.10
8 to 9 weeks old	140 to 160	125 to 140	\$ 26.30	\$ 26.30
9 to 10 weeks old	160 to 180	140 to 150	\$ 29.60	\$ 29.60
10 to 11 weeks old	180 to 200	150 to 160	\$ 32.90	\$ 32.90
11 to 12 weeks old	190 to 200	160 to 180	\$ 36.25	\$ 36.25
12 to 13 weeks old	190 to 200	160 to 180	\$ 39.55	\$ 39.55
13 to 14 weeks old	190 to 200	160 to 180	\$ 42.80	\$ 42.80
14 to 15 weeks old	190 to 200	160 to 180	\$ 46.20	\$ 46.20
15 to 16 weeks old	190 to 200	160 to 180	\$ 49.50	\$ 49.50
Pregnant Female (Untimed)			-	\$ 49.50
Pregnant Female (Timed)			-	\$ 58.30
Retired Breeders			\$ 21.20	\$ 21.20
Proven Breeders			\$ 41.15	\$ 41.15
Female w/Litter (Pups to 12 Days)			-	\$ 93.95
Female w/Litter (Pups over 12 Days)			-	\$108.65

SYRIAN HAMSTERS

Sim: (SYR) BR Golden Strain

Original breeding stock from Toy Bear in 1962 and interbred with stock obtained from ARS/Sprague-Dawley in 1978. Derived in 1983 and maintained as a systematically mated outbred colony.



SIMONSEN LABORATORIES – HEALTH MONITORING PROGRAM

1180 Day Road Ste C, Gilroy CA 95020

Phone (408) 847-2002 Fax (408) 847-4176 E-Mail: dxlab@simlab.com

GENERAL COMMENTS

All diagnostic testing is performed by Simonsen Laboratories unless otherwise noted. Standard operating procedures (SOP) are available upon request.

In general, each colony is tested for commonly encountered viral and bacterial pathogens frequently (weekly or monthly), while rarely encountered agents are monitored quarterly. For the specific list applicable to each species, please refer to the health monitoring report. Frequency of monitoring and sample size is listed in the table below. All animals submitted for diagnostic testing are selected randomly from the colony.

Table: Frequency and Sample Size for Simonsen Health Monitoring

Agent Group	Frequency	# weanlings/mo	# adults/mo
Viruses	Weekly	0	10
Mycoplasma	Weekly	0	10
Bacteria	Monthly	2	4
Parasites	Monthly	2	4
Rare agents	Quarterly	2*	4*

*Per quarterly examination

Dates reported for weekly, monthly, and quarterly testing reflect the most recent test date: results of previous testing are available on request. The list of pathogens and infectious agents for each species which are specifically monitored, and noted in this report, meet or exceed international standards for rodent health monitoring.

Additional microbiologic pathogens will be monitored and reported in those cases when associated with lesions or clinical signs of disease, when there is evidence of changes or abnormalities in breeding performance or physiological parameters, or when immunodeficient animals are examined.

Kraft V, Deeney AA, Blanchet HM, et al. (1994) Recommendations for the health monitoring of mouse, rat, hamster, guinea pig, and rabbit colonies. *Laboratory Animals* **28** (1):1-12.



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DESCRIPTION OF TEST METHODS USED IN MONITORING

ELISA	<i>Enzyme-linked immunosorbent assay, testing for the presence of antibody in the test serum directed against known pathogens. Suspect or borderline results of this testing are submitted to an outside reference laboratory which uses a different source of test antigen.</i>
CHEM	<i>Clinical chemistry determination to detect elevations in specific enzymes or metabolites in the bloodstream. In the case of LDHV, a significant rise in serum lactate dehydrogenase is suggestive of persistent LDHV infection in the absence of other clinical disease.</i>
NP	<i>Nasopharyngeal culture, generally onto blood agar. Sample is collected aseptically via tracheotomy.</i>
ENT	<i>Enteric culture, generally onto MacConkey agar or other selective media, which may include appropriate media for microaerophilic culture of <u>Campylobacter or helicobacter spp.</u> Sample is collected by transection of the appropriate segment of intestine.</i>
ANAER	<i>Enteric or nasopharyngeal culture placed onto pre-reduced selective media and incubated under anaerobic conditions.</i>
PELAGE	<i>An examination of the fur and skin for ectoparasites and other lesions, usually after the skin surface of the carcass has been allowed to cool.</i>
TAPE	<i>A microscopic examination of cellophane tape which is impressed onto the perianal zone to detect deposited ova of <u>Syphacia spp.</u></i>
MICRO	<i>A wet mount or stained smear examined microscopically to detect motile organisms or protozoal cysts, respectively.</i>
FECAL	<i>Flotation of feces or colon contents to detect helminth ova as well as parasitic protozoal cysts.</i>
HISTO	<i>Histopathology of target tissues to detect the presence of specific pathogens or infectious agents, often employing special stains. If positive results are obtained, or are suspected based on clinical signs or gross lesions, other methods such as serology or PCR may be used as ancillary tests if available.</i>
PCR	<i>Polymerase chain reaction to amplify the target nucleic acid sequence of the infectious organism to a detectable level.</i>

CONTACT INFORMATION

Simonsen Laboratories
1180 Day Rd Ste C
Gilroy, California 95020-9348

Telephone: (408) 847- 2002

Fax: (408) 847- 4176

E-mail: orders@simlab.com

Order Department Hours:
7:45 A.M. to 4:15 PM. Pacific Time

Please Note:

ALL PRICES F.O.B. ORIGIN AND SUBJECT TO CHANGE WITHOUT NOTICE.

ALL ORDERS, CHANGES AND CANCELLATIONS

MUST BE PLACED PRIOR TO DATE OF SHIPMENT.

For all quotations, specific or general information, please contact us by phone as listed above or by e-mail at:
info@simlab.com

USDA #93-A-0241

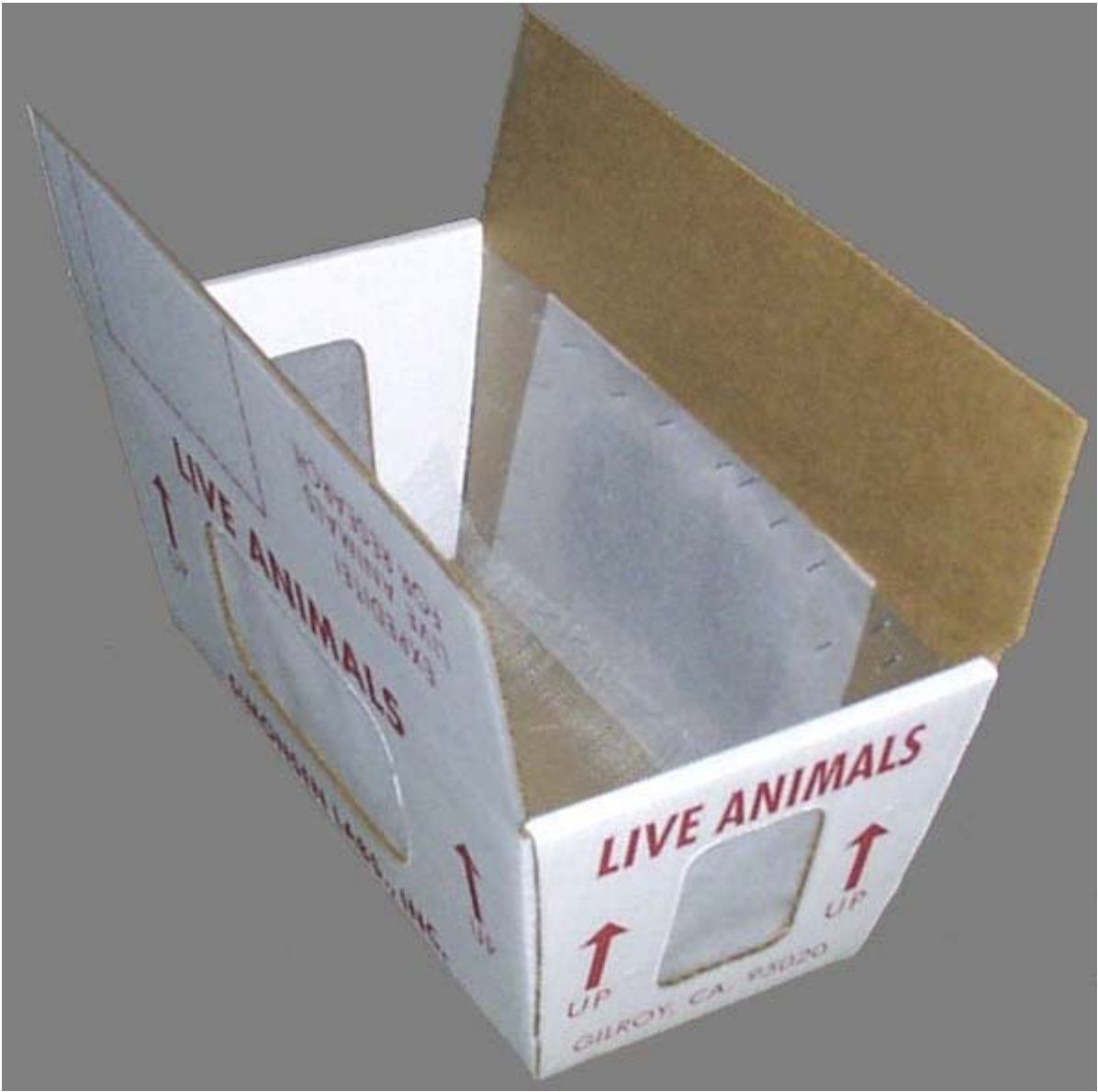


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1180 C DAY ROAD GILROY, CA 95020



HEALTH SCREENING OR DIAGNOSTIC TESTING?

A Difference in Philosophy

In traditional diagnostic testing for laboratory animals, examinations and assays are designed to detect the potential causes of clinical disease or suspected sources of observed experimental variation. But this testing philosophy does not address the significance of positive results if there was not an initial problem to be solved through diagnosis. The background objective of diagnostic testing is to detect an abnormal agent or process, but not to define a historical pattern of health status for a given colony.

Health status testing, on the other hand, builds on diagnostic methodology by concentrating on the most common primary or opportunistic pathogens in laboratory species and uses their presence or absence as "indicator organisms" to measure the success of animal care procedures such as disinfection, protective clothing, or other barrier procedures. Once key pathogens which could directly impact research goals are shown to be excluded, the consistent absence of other agents provides ongoing, timely evidence of the effectiveness of animal husbandry procedures and policies. For either open or closed colonies, this historical information is critical to effective colony management.

Simonsen Laboratories offers both diagnostic and health status testing for rodents, rabbits, and other species. Health status profiles have been designed for mice, rats, hamsters, guinea pigs, and rabbits. These profiles vary in the depth and breadth of testing and are based on the submission of live animals to the laboratory. We also provide full service diagnostic testing for common laboratory species, including necropsy, histopathology, serology, microbiology, and parasitology. Additionally, we provide assays for environmental microbiology intended for validation of equipment function and disinfection effectiveness.

For more information on specific testing panels and other services, please use the links provided in the frame to the left, or contact us at dxlab@simlab.com

MOUSE HEALTH STATUS PROFILES

If possible, sentinel programs and health profiles for mouse colonies should include the submission of juvenile animals in order to detect potential viral disease prior to seroconversion of adults following infection. These profiles are designed for immunocompetent animals, with adults greater than 2 months of age and juveniles less than 4 weeks of age. A representative number of animals should be submitted with each accession; a "standard case" discount is offered for accession of 2 adults and 2 juveniles. Additional costs may be incurred if lesions or clinical history warrants; these costs will be discussed with the customer prior to the examination. Immunodeficient animals can also be examined by these panels, but should be accompanied by immunocompetent sentinel animals to provide serologic samples. Please call our laboratory for more information.

Complete Profile

A thorough survey of all organ systems to uncover any potential pathogens or lesions. Intended for baseline or annual testing of closed barrier colonies, or comprehensive assessment of new animal acquisitions.

Includes complete necropsy; microbiology of nasopharynx, cecum, tympanic bulla, and uterus; direct exams of pelage, intestinal contents, feces, and blood for parasites; complete histologic examination of target organs of disease including nasal turbinates and brain, plus any lesioned tissues noted; and complete serologic panels on adult animals.

Pricing Information:

Per Standard Case (2 adults, 2 juveniles; \$213.05 discount)	\$1043.25
Per adult animal	\$398.85
Per juvenile animal	\$229.30

Sentinel Profile

A complete examination of key organs and tissues which would be most likely to contain evidence of primary or opportunistic pathogens. Intended for the evaluation of dedicated sentinels or scheduled sampling of breeding colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage and intestinal contents; histologic examination of target organs of disease, plus any lesioned tissues noted; and sentinel serologic panels on adult animals.

Pricing Information:

Per Standard Case (2 adults, 2 juveniles; \$85.80 discount)	\$581.60
Per adult animal	\$204.70
Per juvenile animal	\$129.00

Basic Profile

A limited examination of animals which could be affected by clinical disease in a conventional animal facility. Intended for use in detection of more serious, clinical infectious diseases in frequently sampled, open animal colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage and intestinal contents; histologic examination of lung, plus any lesioned tissues noted; and clinical serologic panels on adult animals.

Pricing Information:

Per Standard Case (2 adults, 2 juveniles; \$55.10 discount)	\$387.00
Per adult animal	\$129.35
Per juvenile animal	\$91.70

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlabel@simlab.com

RAT HEALTH STATUS PROFILES

If possible, sentinel programs and health profiles for rat colonies should include the submission of juvenile animals in order to detect potential viral disease prior to seroconversion of adults following infection. These profiles are designed for immunocompetent animals, with adults greater than 2 months of age and juveniles less than 4 weeks of age. A representative number of animals should be submitted with each accession; a "standard case" discount is offered for accession of 2 adults and 2 juveniles. Additional costs may be incurred if lesions or clinical history warrants; these costs will be discussed with the customer prior to the examination. Immunodeficient animals can also be examined by these panels, but should be accompanied by immunocompetent sentinel animals to provide serologic samples. Please call our laboratory for more information.

Complete Profile

A thorough survey of all organ systems to uncover any potential pathogens or lesions. Intended for baseline or annual testing of closed barrier colonies, or comprehensive assessment of new animal acquisitions.

Includes complete necropsy; microbiology of nasopharynx, cecum, tympanic bulla, and uterus; direct exams of pelage, intestinal contents, feces, and blood for parasites; complete histologic examination of target organs of disease including nasal turbinates and brain, plus any lesioned tissues noted; and complete serologic panels on adult animals.

Pricing Information:

Per Standard Case (2 adults, 2 juveniles; \$151.00 discount)	\$883.90
Per adult animal	\$299.90
Per juvenile animal	\$217.55

Sentinel Profile

A complete examination of key organs and tissues which would be most likely to contain evidence of primary or opportunistic pathogens. Intended for the evaluation of dedicated sentinels or scheduled sampling of breeding colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage and intestinal contents; histologic examination of target organs of disease, plus any lesioned tissues noted; and sentinel serologic panels on adult animals.

Pricing Information:

Per Standard Case (2 adults, 2 juveniles; \$89.00 discount)	\$556.80
Per adult animal	\$194.05
Per juvenile animal	\$128.85

Basic Profile

A limited examination of animals which could be affected by clinical disease in a conventional animal facility. Intended for use in detection of more serious, clinical infectious diseases in frequently sampled, open animal colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage and intestinal contents; histologic examination of lung, plus any lesioned tissues noted; and clinical serologic panels on adult animals.

Pricing Information

Per Standard Case (2 adults, 2 juveniles; \$55.10 discount)	\$387.00
Per adult animal	\$129.35
Per juvenile animal	\$91.70

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxc@simlab.com

HAMSTER AND GUINEA PIG HEALTH STATUS PROFILES

These profiles are designed for immunocompetent Syrian hamsters or guinea pigs, ideally greater than 2 months of age. A representative number of animals should be submitted with each accession; please contact the lab for advice regarding sample size. Additional costs may be incurred if lesions or clinical history warrants; these costs will be discussed with the customer prior to the examination. Custom examinations for other hamster and gerbil species can be designed to fit needs of the customer; please call our lab for more details.

Complete Profile

A thorough survey of all organ systems to uncover any potential pathogens or lesions. Intended for baseline or annual testing of closed barrier colonies, or comprehensive assessment of new animal acquisitions.

Includes complete necropsy; microbiology of nasopharynx and intestine; direct exams of pelage, intestinal contents and feces for parasites; complete histologic examination of target organs of disease, plus any lesioned tissues noted; and complete serologic panels on adult animals.

Pricing Information:

Per adult or juvenile Syrian Hamster	\$246.95
Per adult or juvenile Guinea Pig	\$270.40
Per adult or juvenile animal (other rodent species)	call

Basic Profile

A complete examination of key organs and tissues which would be most likely to contain evidence of primary or opportunistic pathogens. Intended for the evaluation of dedicated sentinels or scheduled sampling of breeding colonies, as well as for detection of more serious, clinical infectious diseases in frequently sampled, open animal colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage and intestinal contents; histologic examination of lung, plus any lesioned tissues noted; and clinical serologic panels on adult animals.

Pricing Information:

Per adult or juvenile Syrian Hamster	\$128.30
Per adult or juvenile Guinea Pig	\$145.95
Per adult or juvenile animal (other rodent species)	call

Colony Health Status of Other Rodent Species

As for Syrian hamsters and guinea pigs, Simonsen Labs can provide custom profiles for uncommon laboratory rodent species, such as other hamsters and gerbils, *Peromyscus* spp., *Microtus* spp., and others. These profiles are based on surveillance for common primary pathogens and indicator flora for each species. Please contact our laboratory for more information.

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlab@simlab.com

RABBIT HEALTH STATUS PROFILES

These profiles are designed for immunocompetent animals, ideally greater than 2 months of age. A representative number of animals should be submitted with each accession. Additional costs may be incurred if lesions or clinical history warrants; these costs will be discussed with the customer prior to the examination.

Complete Profile

A thorough survey of all organ systems to uncover any potential pathogens or lesions. Intended for baseline or annual testing of closed colonies, or comprehensive assessment of new animal acquisitions.

Includes complete necropsy; microbiology of nasopharynx, bile, and intestine; direct exams of pelage, bile, intestinal contents and feces for parasites; and complete histologic examination of target organs of disease, plus any lesioned tissues noted.

Basic Profile

A complete examination of key organs and tissues which would be most likely to contain evidence of primary or opportunistic pathogens. Intended for the scheduled evaluation of experimental or breeding colonies, as well as for detection of more serious, clinical infectious diseases in frequently sampled, open animal colonies.

Includes complete necropsy; microbiology of nasopharynx and cecum; direct exams of pelage, bile, and intestinal contents; and histologic examination of lung, plus any lesioned tissues noted.

Rabbit Serology Panel

Serologic testing for evidence of exposure to specific rabbit pathogens is available through accession to several selected reference laboratories. Simonsen offers the service of sample submission to these laboratories for 4 potential rabbit pathogens: *CAR bacillus*, *Encephalitozoon cuniculi*, *Treponema cuniculi*, and *Clostridium pilliforme*. These pathogens are best detected by other examinations such as histopathology (included in panels above), but serologic screening can provide some level of diagnostic information for large numbers of samples.

Pricing Information:

Complete Profile - per adult or juvenile rabbit	\$276.35
Basic Profile - per adult or juvenile rabbit	\$117.60
Rabbit serology panel - per adult rabbit (4 tests)	\$37.65

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlab@simlab.com

RODENT SEROLOGY PANELS

Complete Serology Panel

A panel designed to detect exposure of animals to a complete list of viral and mycoplasmal pathogens, generally done during baseline and annual health screening for rodent colonies. This panel is included in the Complete health status profile for each rodent species.

Mouse (per serum sample) \$167.00

Sendai, PVM, MHV, M. pulmonis, MPV, MVM, Reovirus 3, GD VII, Rotavirus, LCM, Mouse polyoma, K virus, Ectromelia, Mouse adenovirus, Mouse cytomegalovirus, LDH virus (15 tests)

Rat (per serum sample) \$84.75

Sendai, PVM, RCV/SDA, M. pulmonis, KRV, Toolan's H-1, Reovirus 3, LCM, GD VII (9 tests)

Hamster (per serum sample) \$47.05

Sendai, PVM, LCM, Reovirus 3, Simian virus 5 (5 tests)

Guinea Pig (per serum sample) \$47.05

Sendai, PVM, LCM, Reovirus 3, Simian virus 5 (5 tests)

Sentinel Serology Panel

This set of tests detects exposure to viral and mycoplasmal pathogens which would commonly be encountered during examination of dedicated sentinel animals or randomly sampled breeders. It is included in the Sentinel health status profile for mice and rats.

Mouse (per serum sample) \$84.75

Sendai, PVM, MHV, M. pulmonis, MPV, MVM, Reovirus 3, GD VII, Rotavirus (9 tests)

Rat (per serum sample) \$65.90

Sendai, PVM, RCV/SDA, M. pulmonis, KRV, Toolan's H-1, Reovirus 3 (7 tests)

Clinical Serology Panel

This panel is used for monitoring for exposure to common pathogens which can cause clinical disease. It is included in the Basic health status profile for each rodent species.

Mouse (per serum sample) \$37.65

Sendai, PVM, MHV, M. pulmonis (4 tests)

Rat (per serum sample)

\$37.65

Sendai, PVM, RCV/SDA, M. pulmonis (4 tests)

Hamster (per serum sample)

\$28.25

Sendai, PVM, LCM (3 tests)

Guinea Pig (per serum sample)

\$28.25

Sendai, PVM, LCM (3 tests)

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlabel@simlab.com

RODENT AND RABBIT DIAGNOSTIC TESTING

PRICING BY INDIVIDUAL TEST - PATHOLOGY

Necropsy, per animal (live submission)		
Rodents		\$23.50
Rabbits		\$41.15
Other species		call
Necropsy, per animal (dead submission)		
Rodents		\$14.15
Rabbits		\$25.90
Other species		call
Histology preparation and interpretation - HE stain, per slide		\$29.40
(Note: 1 to 6 tissues/slide, depending on samples and species)		
Histology preparation and interpretation - Special stains, per slide		\$47.00
Histology interpretation, per slide (slide submitted; interpretation)		\$17.65

PRICING BY INDIVIDUAL TEST - MICROBIOLOGY

Microbiology, per primary isolation (aerobic)		\$35.30
Microbiology, per primary isolation (anaerobic; microaerophilic)		\$52.90
Microbiology, per primary isolation (fungal; mycoplasmal; mycobacterial)		\$52.90
Microbiology stained preparations, per slide		\$6.00
Parasitology, per test		\$10.10
(includes cellophane tape impressions, direct or microscopic exams of pelage or gut, fecal exam, etc.)		

PRICING BY INDIVIDUAL TEST - SEROLOGY

Serology, per test		\$10.10		
ELISA assays available:	Sendai	Reovirus 3	MAD (FL and K87)	MVM
(January 2007)	PVM	SV - 5	Ectromelia	KRV
	MHV	GD VII	Mouse polyoma	H-1
	RCV/SDA	EDIM	Mouse CMV	K virus
	<i>M. pulmonis</i>	LCM	* LDH virus	MPV
	(* LDH virus testing by serum enzyme determination = \$25.95 per assay)			

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlab@simlab.com

ENVIRONMENTAL MICROBIOLOGY

As part of a complete preventative health program for rodent barrier facilities, microbiologic surveillance of environmental surfaces should be considered. Surface sampling not only validates the effectiveness of routine disinfection procedures, but also can provide early warning to the presence of problem opportunists such as *Pseudomonas aeruginosa*.

Samples are typically collected using contact or "Rodac" plates, and can be gathered from architectural surfaces, the interior of hoods or other work areas, and even inside cages which have recently been cleaned. Simonsen Labs can perform incubation and isolate identification services to complete the testing process. Also, our technical staff can also advise you regarding sampling plans and schedules.

For our customers in the San Francisco Bay area, media delivery and sample pickup is available; please call our business office for more details. Other environmental microbiological services, such as water testing and autoclave validation are also available.

Pricing Information:

Contact plate incubation and quantification, per plate	\$10.10
Isolate identification from contact plates, per plate	\$35.30
Water microbiology (from drinking bottles or automatic watering), per sample	\$41.15

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MOUSE ANTIBODY PRODUCTION (MAP) TESTING

Description of Testing

MAP testing is an established method of demonstrating that established cell lines, tissue samples, or other materials of mouse origin are free of adventitial viral particles. For this test, suspect material is injected into naive, serologically negative mice twice, then mice are allowed time to seroconvert to any potential viral agent. Three weeks after the initial exposure, terminal serum samples are collected and analyzed by indirect ELISA; any suspect positive samples are retested by other testing procedures to confirm the result.

Testing of biologic materials of rat or hamster origin can also be assayed in a similar manner, by detecting seroconversion in their species of origin, Please contact the business office for pricing information in these species.

Samples Required for Testing

For testing of an established cell line, 2 aliquots of cells ($\approx 5 \times 10^5$ cells/mL; 1.0 mL/aliquot) should be submitted to the lab in a frozen or refrigerated state, in their typical culture medium but without any cryoprotectant. An additional 1.0 mL aliquot of sterile culture medium can also be submitted to act as control material; if we do not receive this, sterile saline solution will be used as an injection control. Each cell line tested will need to be assayed in a separate group of mice, and thus will be performed and billed separately.

A complete MAP test typically attempts to detect 15 different adventitial viral pathogens of the mouse. Simonsen Labs can also customize MAP testing for your needs based on a set-up charge (which includes testing for one viral agent) and additional fees for each additional viral assay added.

Pricing Information:

Complete MAP test, per cell line (assay for 15 viral agents)	\$835.00
MAP test, per cell line, for a single virus agent (set-up charge)	\$235.00
Each additional viral agent added after set-up charge	\$47.00
Antibody Production tests in other rodent species	call

Simonsen Laboratories offers full service diagnostic and health status testing for rodents, rabbits, and other species. For more information on specific testing panels and other services, please contact us at dxlab@simlab.com

FEE SCHEDULE

Health Status Profiles Profile	Mouse HSP	Rat HSP	Hamster HSP	Guinea Pig HSP	Rabbit HSP
Complete/Standard *	\$1043.25	\$883.90	–	–	–
Complete/Adult	\$398.85	\$299.90	\$246.95	\$270.40	\$276.35
Complete/Juvenile	\$229.30	\$217.55	\$246.95	\$270.40	\$276.35
Sentinel/Standard *	\$581.60	\$556.80	–	–	–
Sentinel/Adult	\$204.70	\$194.05	–	–	–
Sentinel/Juvenile	\$129.00	\$128.85	–	–	–
Basic/Standard *	\$387.00	\$387.00	–	–	–
Basic/Adult	\$129.35	\$129.35	\$128.30	\$145.95	\$117.60
Basic/Juvenile	\$91.70	\$91.70	\$128.30	\$145.95	\$117.60
Immunodeficient	\$300.00	–	–	–	–

* Standard Case = 4 mice or rats (2 adults, 2 juveniles) discounted price

Serology Panels Panel	Mouse	Rat	Hamster	Guinea Pig	Rabbit
Complete	\$167.00	\$84.75	\$47.05	\$47.05	\$37.65
# tests	15 + LDH	9	5	5	4
Sentinel	\$84.75	\$65.90	–	–	–
# tests	9	7	–	–	–
Clinical	\$37.65	\$37.65	\$28.25	\$28.25	–
# tests	4	4	3	3	–

Individual Diagnostic Tests Test	Unit	\$/Unit	Test	Unit	\$/Unit
Necropsy/rodent/live animal	animal	\$23.50	Microbiology, quantitative (Rodac)	sample	\$10.10
Necropsy/rabbit/live animal	animal	\$41.15	Microbiology, aerobic	primary plate	\$35.30
Necropsy/rodent/dead animal	animal	\$14.15	Microbiology, special	primary plate	\$52.90
Necropsy/rabbit/dead animal	animal	\$25.90	Microbiology, stained preps	slide	\$6.00
Histology, routine HE staining	slide	\$29.40	ELISA testing	test	\$10.10
Histology, special staining (histology fees include pathologist interpretation)	slide	\$47.00	LDH enzyme determination	test	\$25.90
Cytology and blood smears	slide	\$10.10	MAP test setup, with single virus	cell line	\$235.00
			Each additional virus		\$47.00
Parasitology	test	\$10.10	MAP testing, complete (14 viruses)	cell line	\$835.00

CASE ACCESSION AND SHIPPING INFORMATION

Please ship live animals and clinical samples to:

Simonsen Laboratories
1180 Day Road Ste C
Gilroy, California 95020
Tel: (408) 847-2002
Fax: (408) 847-4176
Email: dxlab@simlab.com

All submitted samples must be accompanied by a completed *Request for Laboratory Examination* and an approved Purchase Order from your institution/company. Other methods of payment must be arranged in advance with our business office. First time customers will receive a call from our business office prior to the start of testing.

Before sending animals or samples, please contact our lab. We can provide detailed instructions on sample submission and shipping, and provide you with submission forms.

For our customers in the San Francisco Bay area, free sample pickup is available; please call our business office for more details.

All shipments of either live animals or clinical samples must be packaged and labeled in an appropriate manner, consistent with current regulatory recommendations. Please be aware of scheduling, holidays, and weather conditions prior to shipping live animals

FORM INSTRUCTIONS:

Please submit the [Request for Laboratory Examination](#) form either with your shipment or in advance by FAX (408-847-4176). Blank forms can be faxed to you; please call our office at (408) 847-2002.

1. Please complete all information at the top of the form, including the box labeled "Request Summary". The summary you provide in this box is critical, because it tells us what information you want from the testing. Also, any missing information at the top of the form will delay testing, since we will have to contact you for the information before testing begins.
2. Please use a separate form for each species submitted and each type of test samples submitted. Types of test samples are covered on separate parts of the lower form, and include:
 - I. Health screening profiles
 - III. Serologic panels
 - II. Diagnostic examinations
 - IV. Individual assays
3. If "Health Status Profiles" are requested, please provide information for each line (lines **a** through **c**). For other test types, questions are self-explanatory. Complete responses will help the laboratory provide you with optimal test results.

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REQUEST FOR LABORATORY EXAMINATION

SIMONSEN DIAGNOSTIC SERVICES

1180-C Day Road, Gilroy, CA 95020 USA
Phone (408) 847-2002; Fax (408) 847-4176; Email <dxlab@simlab.com>

PLEASE COMPLETE THIS FORM
We will contact you for missing information, and this may delay testing

Date Submitted: _____ Purchase Order # _____
Customer #: _____ Shipping Info: _____
Institution: _____ Phone Number: _____
Billing Address: _____ Fax Number: _____
City, State, Zip _____ Email Address: _____
Submitted by: _____ Report Results By: Email Fax
A Signature Copy is mailed upon completion.
Specimen Submitted: Live Animal Serum/Plasma Whole Blood Other (specify) _____
Species: Mouse Rat Hamster Guinea Pig Other _____
Strain: _____ Number of Samples: _____

PLEASE COMPLETE ONE OF THE FOLLOWING THREE SECTIONS (USE A SEPARATE FORM FOR EACH SPECIES)

I HEALTH STATUS PROFILES

- Complete Profile** (Expanded Serology, Microbiology, Parasitology, and Histology)
 Sentinel Profile (Mouse & Rat only - Routine Sentinel Serology, Microbiology, Parasitology, and Histology)
 Basic Profile (Limited Serology, Routine Microbiology, Limited Parasitology, Routine Histology)
 Immunodeficient Profile (Expanded Microbiology, Parasitology and Histology)
 Standard Accession - 9.75% Discount (**Mouse & Rat only**: 2 Immunocompetent adults & 2 juveniles).

II INDIVIDUAL TESTS

- Serology:** Complete Panel Sentinel Panel Basic Panel Immunodeficient
 Individual Test(s): _____
 Microbiology: Routine Other (Describe): _____
 Parasitology: Routine Ecto Endo Comments: _____
 Pathology: Necropsy with Histology Histology Cytology Special Stains

III **SUMMARIZE YOUR REQUEST HERE:** _____

Clinical History (if any): _____

Diagnostic Rule-outs (if any): _____

Attending Veterinarian: _____ **Phone:** _____