



TACONIC BIOSCIENCES[®]

Pricing Guide

2024

▶ US DOLLAR



The contents and prices in this Pricing Guide are valid at the time of creation. Prices are subject to change without notice. To ensure current product and services availability and pricing, please check directly on taconic.com.

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129S6

Model Number: 129SVE

Animal Type: Inbred

Nomenclature: 129S6/SvEvTac

Application(s): Immunology, Inflammation, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

Order on [taconic.com](https://www.taconic.com)

129SVE Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$44.00
5 to 7	\$52.00
8 to 10	\$63.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Female w/Litter	\$287.00	
Timed Pregnant		\$627.00
Untimed Pregnant	\$276.00	
Retired Breeder	\$73.00	

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

129SVE Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$58.00
5 to 7	\$67.00
8 to 10	\$83.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$93.00

129S6

Model Number: 129SVE

Animal Type: Inbred

Nomenclature: 129S6/SvEvTac

Application(s): Immunology, Inflammation, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

Order on [taconic.com](https://www.taconic.com)

129SVE Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$44.00
5 to 7	\$52.00
8 to 10	\$63.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$69.00

129SVE Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$58.00
5 to 7	\$67.00
8 to 10	\$83.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$93.00

Abb Knockout/Transgenic HLA-DR4

Model Number: 4149

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: B6.129S2-H2-Ab^{Tm1Gru} Tg(HLA-DRA/H2-Ea,HLA-DRB1*0401/H2-Eb)1Kito

Application(s): Autoimmune Disease, Genetically Humanized, Immunology, Infectious Disease, Inflammation, Microbiome, Oncology & Immunology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

4149 Female MPF ko/ko;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$460.00

4149 Male MPF ko/ko;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$460.00

ApoB100

Model Number: 1004

Animal Type: Random Transgenic

Nomenclature: B6.SJL-Tg(APOB)1102Sgy N20+?

Application(s): Cardiovascular Disease, Genetically Humanized, Metabolic Disease, Microbiome

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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Order on [taconic.com](https://www.taconic.com)

1004 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$604.00

1004 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$604.00

ApoE

Model Number: APOE

Animal Type: Constitutive Knockout

Nomenclature: B6.129P2-Apo^{e^{tm1Unc}} N11

Application(s): Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Metabolic Disease, Microbiome, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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APOE Female MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$192.00

APOE Male MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$192.00

[Order on taconic.com](https://www.taconic.com)

APOE2

Model Number: 1547

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-Apo^e^{tm1(APOE*2)Mae} N9

Application(s): Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Genetically Humanized, Metabolic Disease, Microbiome, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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[Order on taconic.com](https://www.taconic.com)

1547 Female MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

1547 Male MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

APOE3

Model Number: 1548

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-*Apo^e*^{tm2(APOE*3)Mae} N8

Application(s): Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Genetically Humanized, Immunology, Infectious Disease, Inflammation, Metabolic Disease, Microbiome, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

1548 Female MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

1548 Male MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

APOE4

Model Number: 1549

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-*Apo^e*^{tm3(APOE*4)Mae} N8

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

1549 Female MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

1549 Male MPF hu/hu (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$510.00

APPSWE - Model 1349

Model Number: 1349

Animal Type:

Nomenclature: B6;SjL-Tg(APPSWE)2576Kha

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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[Order on taconic.com](https://www.taconic.com)

1349 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$772.00
13 to 21	\$821.00
22 to 29	\$950.00
30 to 38	\$1,065.00
39 to 45	\$1,185.00

1349 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$313.00
13 to 21	\$381.00
22 to 29	\$554.00
30 to 38	\$742.00
39 to 45	\$890.00

1349-RD1 Female MPF tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$1,036.00
13 to 21	\$1,082.00
22 to 29	\$1,215.00
30 to 38	\$1,320.00
39 to 45	\$1,450.00

APPSWE - Model 1349

Model Number: 1349

Animal Type:

Nomenclature: B6;SJL-Tg(APPSWE)2576Kha

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- The Models and biological materials derived from them will not be distributed to third parties or used for commercial purposes.
- Non-profit purchasers may not use this Model and/or biological materials derived from it in sponsored research or contract research studies unless it is purchased at the for-profit price.

1349-RD1 Female MPF wt/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$467.00
13 to 21	\$531.00
22 to 29	\$709.00
30 to 38	\$894.00
39 to 45	\$1,045.00

1349 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$772.00
13 to 21	\$821.00
22 to 29	\$950.00
30 to 38	\$1,065.00
39 to 45	\$1,185.00

1349 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$313.00
13 to 21	\$381.00
22 to 29	\$554.00
30 to 38	\$742.00
39 to 45	\$890.00

Order on [taconic.com](https://www.taconic.com)

APPSWE - Model 1349

Model Number: 1349

Animal Type:

Nomenclature: B6;SJL-Tg(APPSWE)2576Kha

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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[Order on taconic.com](https://www.taconic.com)

1349-RD1 Male MPF tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$1,036.00
13 to 21	\$1,082.00
22 to 29	\$1,215.00
30 to 38	\$1,320.00
39 to 45	\$1,450.00

1349-RD1 Male MPF wt/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
6 to 12	\$467.00
13 to 21	\$531.00
22 to 29	\$709.00
30 to 38	\$894.00
39 to 45	\$1,045.00

APPSWE-Tau

Model Number: 2469

Animal Type: Random Transgenic

Nomenclature: STOCK Tg(APPSWE)2576Kha
Tg(Prnp-MAPT*P301L)JNPL3Hlmc

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

2469 Female MPF tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$933.00

2469 Female MPF wt/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$933.00

2469-RD1 Female MPF tg/wt;tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$1,003.00

2469-RD1 Female MPF wt/wt;tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$1,003.00

2469 Male MPF tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$933.00

2469 Male MPF wt/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$933.00

APPSWE-Tau

Model Number: 2469

Animal Type: Random Transgenic

Nomenclature: STOCK Tg(APPSWE)2576Kha
Tg(Prnp-MAPT*P301L)JNPL3Hlmc

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

2469-RD1 Male MPF tg/wt;tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$1,003.00

2469-RD1 Male MPF wt/wt;tg/wt. (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$1,003.00

ARTE10 (APP-PS1)

Model Number: 16347

Animal Type: Random Transgenic

Nomenclature: C57BL/6NTac.CBA-Tg(Thy1-
PSEN1*M146V,-APP*Swe)10Arte

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

16347 Female MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 12	\$513.00

Specialized Inventory

Age / Type	Quantity
	1-199
	1-999
13 to 28	\$580.00
29 to 60	\$643.00
Retired Breeder	\$643.00

16347 Male MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 12	\$513.00

Specialized Inventory

Age / Type	Quantity
	1-199
	1-999
13 to 28	\$536.00
29 to 60	\$643.00
Retired Breeder	\$643.00

B2m-NOG

Model Number: 14957

Animal Type:

Nomenclature: NOD.Cg-B2m^{em1Tac} Prkdc^{scid}
Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:
<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:
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14957 Female OF ki/ki;sp/sp;ko/ko (Opportunist Free™)

Age in weeks	Quantity	
	1-49	50-999
3 to 10	\$389.00	\$351.00

14957 Male OF ki/ki;sp/sp;ko/y (Opportunist Free™)

Age in weeks	Quantity	
	1-49	50-999
3 to 10	\$389.00	\$351.00

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B6 Albino

Model Number: 11971

Animal Type: Targeted Replacement

Nomenclature: C57BL/6NTac-*Tyr^{flm1Arte}*

Application(s): Model Generation Solutions

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

11971 Female MPF ki/ki (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$309.00

11971 Male MPF ki/ki (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$309.00

B6.SJL

Model Number: 4007

Animal Type: Congenic

Nomenclature: B6.SJL-*Ptprc*³/BoyAiTac

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Oncology & Immuno-Oncology, Reporter Lines

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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4007 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-199
Female w/Litter	\$472.00
Untimed Pregnant	\$343.00

4007 Female MPF sp/sp (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$74.00
5 to 7	\$90.00
8 to 10	\$112.00

4007 Male MPF sp/sp (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$74.00
5 to 7	\$90.00
8 to 10	\$112.00

B6129F1

Model Number: B6129

Animal Type: Hybrid

Nomenclature: B6129F1/Tac

Application(s): Immunology, Inflammation, Metabolic Disease, Microbiome

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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B6129 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$56.00
5 to 7	\$66.00
8 to 10	\$80.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$347.00
Untimed Pregnant	\$312.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

B6129 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$56.00
5 to 7	\$66.00
8 to 10	\$80.00

B6C3F1

Model Number: B6C3F1

Animal Type: Hybrid

Nomenclature: B6C3F1/Tac

Application(s): Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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B6C3F1 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$66.00
5 to 7	\$77.00
8 to 10	\$88.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$403.00

B6C3F1 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$66.00
5 to 7	\$77.00
8 to 10	\$88.00

B6D2F1

Model Number: B6D2F1

Animal Type: Hybrid

Nomenclature: B6D2F1/Tac

Application(s): Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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B6D2F1 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$66.00
5 to 7	\$77.00
8 to 10	\$88.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$403.00
Untimed Pregnant	\$381.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

B6D2F1 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$66.00
5 to 7	\$77.00
8 to 10	\$88.00

B6JBom

Model Number: B6JBOM

Animal Type: Inbred

Nomenclature: C57BL/6JBomTac

Application(s): ADMET, Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Epilepsy, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Ophthalmology, Parkinson's Disease, Psychiatric Disorders, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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B6JBOM Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$136.00
5 to 7	\$151.00
8 to 9	\$163.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$850.00
Retired Breeder	\$170.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

B6JBOM Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$136.00
5 to 7	\$151.00
8 to 9	\$163.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$170.00

B6SJLF1

Model Number: B6SJL

Animal Type: Hybrid

Nomenclature: B6SJLF1/Tac

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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B6SJL Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$72.00
5 to 7	\$80.00
8 to 10	\$95.00

B6SJL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$72.00
5 to 7	\$80.00
8 to 10	\$95.00

BALB/c

Model Number: BALB

Animal Type: Inbred

Nomenclature: BALB/cAnNTac

Application(s): ADMET, Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Epilepsy, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Ophthalmology, Parkinson's Disease, Psychiatric Disorders, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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BALB Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	\$32.00	\$30.00
5 to 6	\$36.00	\$33.00
7 to 8	\$41.00	\$35.00
9 to 10	\$46.00	\$43.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$282.00
Retired Breeder	\$53.00

BALB Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$54.00
5 to 6	\$61.00
7 to 8	\$67.00
9 to 10	\$79.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$445.00

Order on [taconic.com](https://www.taconic.com)

BALB/c

Model Number: BALB

Animal Type: Inbred

Nomenclature: BALB/cAnNTac

Application(s): ADMET, Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Epilepsy, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Ophthalmology, Parkinson's Disease, Psychiatric Disorders, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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BALB Female GF (Germ Free)

Age in weeks	Quantity
	1-999
4	\$581.00
5	\$647.00
6	\$668.00
7	\$699.00
8	\$728.00
9	\$774.00
10	\$817.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$817.00

BALB Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	\$30.00	\$28.00
5 to 6	\$35.00	\$32.00
7 to 8	\$40.00	\$35.00
9 to 10	\$50.00	\$45.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$58.00

BALB/c

Model Number: BALB

Animal Type: Inbred

Nomenclature: BALB/cAnNTac

Application(s): ADMET, Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Epilepsy, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Ophthalmology, Parkinson's Disease, Psychiatric Disorders, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for BALB/c

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BALB Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$49.00
5 to 6	\$56.00
7 to 8	\$65.00
9 to 10	\$83.00

BALB Male GF (Germ Free)

Age in weeks	Quantity
	1-999
4	\$581.00
5	\$649.00
6	\$668.00
7	\$699.00
8	\$728.00
9	\$774.00
10	\$817.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$817.00

Order on [taconic.com](https://www.taconic.com)

BALB/c Bom

Model Number: BALJBO

Animal Type: Inbred

Nomenclature: BALB/cJBomTac

Application(s): ADMET, Alzheimer’s Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Epilepsy, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Ophthalmology, Parkinson’s Disease, Psychiatric Disorders, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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BALJBO Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$27.00
5 to 7	\$38.00
8 to 9	\$47.00

Specialized Inventory

Age / Type	Quantity
	1-999
Timed Pregnant	\$703.00
Untimed Pregnant	\$262.00
Retired Breeder	\$48.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

BALJBO Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$27.00
5 to 7	\$38.00
8 to 9	\$47.00

Specialized Inventory

Age / Type	Quantity
	1-999
Retired Breeder	\$48.00

Bcrp

Model Number: 2767

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-*Abcg2*^{tm1Ahs} N7

Application(s): ADMET, Oncology & Immuno-Oncology, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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2767 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$338.00

2767 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$338.00

Black 6 (B6NTac)

Model Number: B6

Animal Type: Inbred

Nomenclature: C57BL/6NTac

Application(s): ADMET, Autoimmune Disease, Cardiovascular Disease, Diabetes, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac)

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B6 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	\$31.00	\$28.00
5 to 8	\$39.00	\$33.00
9 to 10	\$45.00	\$41.00
11 to 12	\$52.00	\$46.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$247.00
Retired Breeder	\$55.00
Female w/Litter	\$325.00
Timed Pregnant	\$347.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

B6 Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$54.00
5 to 6	\$67.00
7 to 8	\$78.00
9 to 10	\$87.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$355.00
Retired Breeder	\$93.00
Female w/Litter	\$434.00
Timed Pregnant	\$511.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

Black 6 (B6NTac)

Model Number: B6

Animal Type: Inbred

Nomenclature: C57BL/6NTac

Application(s): ADMET, Autoimmune Disease, Cardiovascular Disease, Diabetes, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac)

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B6 Female GF (Germ Free)

Age in weeks	Quantity	
	1-29	30-999
4	\$587.00	\$559.00
5	\$653.00	\$623.00
6	\$678.00	\$644.00
7	\$707.00	\$673.00
8	\$737.00	\$701.00
9	\$781.00	\$745.00
10	\$825.00	\$785.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$4,225.00
Retired Breeder	\$1,112.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

Black 6 (B6NTac)

Model Number: B6

Animal Type: Inbred

Nomenclature: C57BL/6NTac

Application(s): ADMET, Autoimmune Disease, Cardiovascular Disease, Diabetes, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac) Germ Free Black 6 are sold subject to Taconic's [Terms and Conditions for Taconic's Models, Products and Services](#) and the following terms of use:

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B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	\$31.00	\$28.00
5 to 8	\$39.00	\$33.00
9 to 10	\$45.00	\$41.00
11 to 12	\$59.00	\$46.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
13 to 14		\$70.00
15 to 16		\$80.00
17 to 18		\$91.00
19 to 20		\$102.00
21 to 22		\$113.00
23 to 24		\$123.00
25 to 26		\$134.00
27 to 31		\$156.00
32 to 36		\$177.00
37 to 40		\$199.00
41 to 44		\$220.00
45 to 48		\$241.00
49 to 52		\$262.00
Retired Breeder	\$55.00	

Order on [taconic.com](https://www.taconic.com)

Black 6 (B6NTac)

Model Number: B6

Animal Type: Inbred

Nomenclature: C57BL/6NTac

Application(s): ADMET, Autoimmune Disease, Cardiovascular Disease, Diabetes, Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Metabolic Disease, Microbiome, Model Generation Solutions, Neuroscience, Oncology & Immuno-Oncology, Psychiatric Disorders, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac)

Germ Free Black 6 are sold subject to Taconic's

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Order on [taconic.com](https://www.taconic.com)

B6 Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$54.00
5 to 6	\$67.00
7 to 8	\$78.00
9 to 10	\$87.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$93.00

B6 Male GF (Germ Free)

Age in weeks	Quantity	
	1-29	30-999
4	\$587.00	\$559.00
5	\$653.00	\$623.00
6	\$678.00	\$644.00
7	\$707.00	\$673.00
8	\$737.00	\$701.00
9	\$781.00	\$745.00
10	\$825.00	\$785.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$1,112.00

C.B-17 scid

Model Number: CB17SC

Animal Type: Spontaneous Mutant

Nomenclature: C.B-*Igh-^h/IcrTac-Prkdc^{scid}*

Application(s): Immunology, Inflammation, Inflammatory Bowel Disease, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

[Order on taconic.com](https://www.taconic.com)

CB17SC Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-199
Female w/Litter	\$743.00
Untimed Pregnant	\$611.00

CB17SC Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 4	\$112.00	\$104.00
5 to 6	\$118.00	\$112.00
7 to 9	\$125.00	\$118.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$118.00

CB17SC Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 4	\$112.00	\$104.00
5 to 6	\$118.00	\$112.00
7 to 9	\$125.00	\$118.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$118.00

C3H

Model Number: C3H

Animal Type: Inbred

Nomenclature: C3H/HeNTac

Application(s): Immunology, Infectious Disease, Inflammation, Microbiome, Neuroscience, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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C3H Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$65.00
5 to 7	\$69.00
8 to 10	\$88.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$453.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

C3H Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$56.00
5 to 7	\$64.00
8 to 10	\$74.00

CETP

Model Number: 3715

Animal Type: Random Transgenic

Nomenclature: B6.SJL-Tg(APOA-CETP)1Dsg N11

Application(s): Cardiovascular Disease, Metabolic Disease

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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3715 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$576.00

3715 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$576.00

CETP-ApoB100

Model Number: 3716

Animal Type: Random Transgenic

Nomenclature: B6.SJL-Tg(APOA-CETP)1Dsg
Tg(APOB)1102Sgy N10

Application(s): Cardiovascular Disease, Metabolic Disease

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

3716 Female MPF tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$706.00

3716 Male MPF tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$706.00

CIEA BRG mouse

Model Number: 11503

Animal Type: Constitutive Knockout

Nomenclature: C.Cg-Rag2^{tm1Fwa} Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: Nonprofit users (excluding users at nonprofit foundations which are affiliated with a for-profit entity): For internal research purposes, the [CIEA BRG mouse Conditions of Use for nonprofit users apply](#). If you wish to perform sponsored research or fee-for-service contract research using the CIEA BRG mouse, please [inquire](#) for access conditions.

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Order on [taconic.com](https://www.taconic.com)

11503 Female OF ko/ko;ko/ko (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$462.00

11503 Male OF ko/ko;ko/y (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$462.00

CIEA NOG mouse®

Model Number: NOG

Animal Type: Constitutive Knockout / Spontaneous Mutant

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:
<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

NOG Female OF sp/sp;ko/ko (Opportunist Free™)

Age in weeks	Quantity		
	1-49	50-99	100-999
3 to 10	\$253.00	\$236.00	\$228.00

NOG Male OF sp/sp;ko/y (Opportunist Free™)

Age in weeks	Quantity		
	1-49	50-99	100-999
3 to 10	\$194.00	\$189.00	\$181.00

Cre Deleter

Model Number: 12524

Animal Type: Targeted Transgenic

Nomenclature: C57BL/6NTac-
Gt(ROSA)26Sor^{tm16(cre)Arte}

Application(s): Recombinase-mediated Gene Deletion, Transgenic Model Generation Support

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Access to this model requires execution of a Cre Deleter Crossbreeding Agreement. There are two types of agreements, a one-time license which permits a single crossbreeding event to a specific mouse line or a broad license which permits crossbreeding to an unlimited number of lines during the term.

The fees for a Cre Deleter Crossbreeding Agreement that permits crossing of the Cre Deleter to ONE (1) specified floxed line is:

- \$650/€575 per line for non-profit users
- \$1,700/€1.530 per line for for-profit users

The fees for a Cre Deleter Crossbreeding Agreement that permits crossing of the Cre Deleter to an unlimited number of lines during the term is:

- \$4,725/€4.300 per year for non-profit users
- \$12,600/€11.470 per year for for-profit users

Once the agreement is executed, you may order mice for use in crossbreeding. Please [contact Taconic Customer Service](#) for details.

Order on [taconic.com](https://www.taconic.com)

12524 Female OF ki/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$472.00

12524 Male OF ki/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$472.00

CreERT²

Model Number: 10471

Animal Type: Targeted Transgenic

Nomenclature: C57BL/6-*Gt(ROSA)26Sor^{tm9(Cre/ESR1)Ar}*

Application(s): Recombinase-mediated Gene Deletion, Transgenic Model Generation Support

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Access to the Taconic CreERT² model 10471 requires execution of a CreERT² Research Crossbreeding Agreement. The fees for a CreERT² Research Crossbreeding Agreement that permits crossing of the Taconic CreERT² model 10471 to ONE (1) floxed line is:

- \$5,780/€5.260 per year for nonprofit users
- \$27,525/€25.080 per year for for-profit users

Once the agreement is executed, you may order mice to crossbreed.

A 20% reduction of the CreERT² Research Crossbreeding Agreement fees is offered if breeding is done at Taconic.

Order on [taconic.com](https://www.taconic.com)

10471 Female OF ki/ki (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$449.00

10471 Male OF ki/ki (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$449.00

DBA/1

Model Number: DBA1BO

Animal Type: Inbred

Nomenclature: DBA/1JBomTac

Application(s): Autoimmune Disease, Immunology, Inflammation

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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DBA1BO Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$72.00
5 to 7	\$81.00
8 to 10	\$93.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$439.00
Untimed Pregnant	\$367.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

DBA1BO Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$72.00
5 to 7	\$81.00
8 to 10	\$93.00

DBA/2

Model Number: DBA2

Animal Type: Inbred

Nomenclature: DBA/2NTac

Application(s): Epilepsy, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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DBA2 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$95.00
5 to 7	\$105.00
8 to 10	\$129.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$551.00
Untimed Pregnant	\$558.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

DBA2 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$95.00
5 to 7	\$105.00
8 to 10	\$129.00

Diet Induced NASH B6

Model Number: NASH-B6

Animal Type:

Nomenclature: C57BL/6NTac

Application(s): Metabolic Disease

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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NASH-B6-CONTROL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
9 to 10	\$56.00
11 to 12	\$72.00
13 to 14	\$88.00
15 to 16	\$102.00
17 to 18	\$115.00
19 to 20	\$130.00
21 to 22	\$142.00
23 to 24	\$156.00
25 to 26	\$169.00
27 to 31	\$196.00

NASH-B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
9 to 10	\$138.00
11 to 12	\$163.00
13 to 14	\$189.00
15 to 16	\$220.00
17 to 18	\$247.00
19 to 20	\$272.00
21 to 22	\$300.00
23 to 24	\$342.00
25 to 26	\$351.00
27 to 28	\$379.00
29 to 30	\$408.00
31 to 32	\$435.00

Diet Induced Obese (DIO) B6

Model Number: DIO-B6

Animal Type:

Nomenclature: C57BL/6NTac

Application(s): Cardiovascular Disease, Diabetes, Immunology, Inflammation, Metabolic Disease, Microbiome

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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DIO-B6-CONTROL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
7 to 8	\$45.00
9 to 10	\$53.00
11 to 12	\$68.00
13 to 14	\$83.00
15 to 16	\$95.00
17 to 18	\$108.00
19 to 20	\$122.00
21 to 22	\$135.00
23 to 24	\$147.00
25 to 26	\$159.00
27 to 31	\$185.00
32 to 36	\$210.00
37 to 40	\$237.00
41 to 44	\$261.00
45 to 48	\$287.00
49 to 52	\$312.00

Diet Induced Obese (DIO) B6

Model Number: DIO-B6

Animal Type:

Nomenclature: C57BL/6NTac

Application(s): Cardiovascular Disease, Diabetes, Immunology, Inflammation, Metabolic Disease, Microbiome

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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DIO-B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
9	\$99.00
10	\$111.00
11	\$121.00
12	\$132.00
13	\$141.00
14	\$152.00
15	\$166.00
16	\$177.00
17	\$189.00
18	\$199.00
19	\$211.00
20	\$220.00
21	\$233.00
22	\$243.00
23	\$254.00
24	\$264.00
25	\$275.00
26	\$286.00

Fcer1g (FcRγ) - Model 583

Model Number: 583

Animal Type: Constitutive Knockout

Nomenclature: B6.129P2-*Fcer1g*^{tm1Rav} N12

Application(s): Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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583 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

583 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

Fcer1g - Model 584

Model Number: 584

Animal Type: Constitutive Knockout

Nomenclature: C.129P2(B6)-*Fcer1g*^{tm1Rav} N12

Application(s): Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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584 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

584 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

Fcgr2b (FcγRII) - Model 580

Model Number: 580

Animal Type: Constitutive Knockout

Nomenclature: B6.129S4-Fcgr2b^{tm1Ttk} N12

Application(s): Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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580 Female MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

580 Male MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$446.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$446.00

FcResolv™ hIL-15 NOG

Model Number: 19220

Animal Type:

Nomenclature: NOD.Cg-Fcgr2b^{tm1Ttk} Fcer1g^{tm1Rav}
Prkdc^{scid} Il2rg^{tm1Sug} Tg(CMV-IL2/IL15)1-1Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

19220 Female OF ko/ko;ko/ko;sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
5 to 10	1-999 \$599.00

19220 Male OF ko/ko;ko/ko;sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
5 to 10	1-999 \$599.00

FcResolv™ huNOG

Model Number: HSCCB-19164

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-Fcgr2b^{tm1Ttk} Fcer1g^{tm1Rav} Prkdc^{scid} Il2rg^{tm1Sug}

Application(s): Autoimmune Disease, Cell and Tissue Humanized, Immunology, Infectious Disease, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Contact Taconic for pricing

FcResolv™ NOG

Model Number: 19164

Animal Type:

Nomenclature: NOD.Cg-Fcgr2b^{tm1Ttk} Fcer1g^{tm1Rav}
Prkdc^{scid} Il2rg^{tm1Sug}

Application(s): Cell and Tissue Humanized,
Immunology, Inflammation, Oncology & Immuno-
Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

19164 Female OF ko/ko;ko/ko;sp/sp;ko/ko (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$369.00

19164 Male OF ko/ko;ko/ko;sp/sp;ko/y (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$369.00

Flp Deleter

Model Number: 7089

Animal Type: Random Transgenic

Nomenclature: C57BL/6-Tg(CAG-Flpe)2Arte

Application(s): Model Generation Solutions, Recombinase-mediated Gene Deletion, Transgenic Model Generation Support

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Access to this model requires execution of a Flp Deleter Crossbreeding Agreement. There are two types of agreements, a one-time license which permits a single crossbreeding event to a specific mouse line or a broad license which permits crossbreeding to an unlimited number of lines during the term.

The fees for a Flp Deleter Crossbreeding Agreement that permits crossing of the Flp Deleter to ONE (1) specified frted line is:

- \$650/€575 per line for non-profit users
- \$1,700/€1.530 per line for for-profit users

The fees for a Flp Deleter Crossbreeding Agreement that permits crossing of the Flp Deleter to an unlimited number of lines during the term is:

- \$4,725/€4.300 per year for non-profit users
 - \$12,600/€11.470 per year for for-profit users
- Once the agreement is executed, you may order mice for use in crossbreeding. Please [contact Taconic Customer Service](#) for details.

Order on [taconic.com](https://www.taconic.com)

7089 Female OF tg/tg (Opportunist Free™)

Age in weeks	Quantity
3 to 12	1-999 \$472.00

7089 Female OF tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$472.00

7089 Male OF tg/tg (Opportunist Free™)

Age in weeks	Quantity
3 to 12	1-999 \$472.00

7089 Male OF tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$472.00

FVB

Model Number: FVB

Animal Type: Inbred

Nomenclature: FVB/NTac

Application(s): Immunology, Inflammation, Model Generation Solutions

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

[Order on taconic.com](#)

FVB Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$37.00
5 to 7	\$44.00
8 to 10	\$56.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Female w/Litter	\$295.00	
Timed Pregnant		\$378.00
Untimed Pregnant	\$249.00	

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

FVB Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$37.00
5 to 7	\$44.00
8 to 10	\$56.00

hACE2 AC70 Mouse

Model Number: 18222

Animal Type: Random Transgenic

Nomenclature: B6;C3-Tg(CAG-ACE2)70Ctk

Application(s): Infectious Disease, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

A signed [Acknowledgement of Biosecurity](#)

[Precautions for Models Susceptible to SARS-CoV-2](#) is required prior to order.

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NOTE: Non-profit users may obtain breeding rights via execution of a limited breeding agreement. This agreement carries a modest yearly fee and permits breeding, backcrossing and crossbreeding.
[Contact Taconic](#) to request an agreement.

[Order on taconic.com](#)

18222 Female OF tg/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 12	1-999 \$375.00

18222 Female OF wt/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 12	1-999 \$211.00

18222 Male OF tg/y (Opportunist Free™)

Age in weeks	Quantity
4 to 12	1-999 \$375.00

18222 Male OF wt/y (Opportunist Free™)

Age in weeks	Quantity
4 to 12	1-999 \$211.00

hIL-15 NOG

Model Number: 13683

Animal Type:

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug} Tg(CMV-IL2/IL15)1-1Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

13683 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
4 to 10	\$524.00

13683 Male OF sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
4 to 10	\$524.00

hIL-2 NOG

Model Number: 13440

Animal Type:

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug} Tg(CMV-IL2)4-2Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

13440 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 10	1-999 \$501.00

13440 Male OF sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 10	1-999 \$501.00

hIL-6 NOG

Model Number: 13686

Animal Type:

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug} Tg(CMV-IL6)1-IJic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
- Japanese Trademark Reg. No. 4,823,423
- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

13686 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$501.00

13686 Male OF sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$501.00

HLA-A1 (C57BL/6)

Model Number: 8909

Animal Type: Random Transgenic

Nomenclature: C57BL/6NTac-Tg(HLA-A*0101/H2-K^b)A1.01

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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8909 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$476.00

8909 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$476.00

HLA-A1 (CB6F1)

Model Number: 9662

Animal Type: Random Transgenic

Nomenclature: CB6F1-Tg(HLA-A*0101/H2-Kb)A1.01

Application(s): Immunology, Infectious Disease, Inflammation, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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9662 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$433.00

9662 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$433.00

HLA-A11 (C57BL/6)

Model Number: 8907

Animal Type: Random Transgenic

Nomenclature: B6NTac.C-Tg(HLA-A*1101/H2-K^b)A11.01

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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8907 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

8907 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

HLA-A11 (CB6F1)

Model Number: 9660

Animal Type: Random Transgenic

Nomenclature: CB6F1-Tg(HLA-A*1101/H2-Kb)A11.01

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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9660 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

9660 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

HLA-A2.1 (C57BL/6)

Model Number: 8906

Animal Type: Random Transgenic

Nomenclature: B6NTAC.B6J-Tg(HLA-A*0201/H2-K^b)A*0201

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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8906 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

8906 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

HLA-A2.1 (CB6F1)

Model Number: 9659

Animal Type: Random Transgenic

Nomenclature: CB6F1-Tg(HLA-A*0201/H2-Kb)A*0201

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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9659 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

9659 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

HLA-A24 (C57BL/6)

Model Number: 8910

Animal Type: Random Transgenic

Nomenclature: C57BL/6NTac-Tg(HLA-A*2402/H2-K^b)A24.01/Tac

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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8910 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$476.00

8910 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$476.00

HLA-A24 (CB6F1)

Model Number: 9663

Animal Type: Random Transgenic

Nomenclature: CB6F1-Tg(HLA-A*2402/H2-Kb)A24.01

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

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Species: Mouse

Licensing:

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9663 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$433.00

9663 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$433.00

HLA-B44 (C57BL/6)

Model Number: 8911

Animal Type: Random Transgenic

Nomenclature: C57BL/6NTac-Tg(HLA-B*4002/H2-K^b)B44.01/NTac

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

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Species: Mouse

Licensing:

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8911 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

8911 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

HLA-B44 (CB6F1)

Model Number: 9664

Animal Type: Random Transgenic

Nomenclature: CB6F1-Tg(HLA-B*4002/H2-Kb)B44.01

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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9664 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

9664 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

HLA-B7 (B6;C)

Model Number: 8908

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: B6;C B2m^{tm1Unc} Tg(HLA-B*0702/H2-K^b)B7.xx Tg(B2M)55Hpl

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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8908 Female MPF ko/wt;tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

8908 Male MPF ko/wt;tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$476.00

HLA-B7 (C;B6)

Model Number: 9661

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: C;B6-B2m^{miUnc} Tg(B2M)55Hpl Tg(HLA-B*0702/H2-Kb)B7.xx

Application(s): Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research

Health Report:

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Species: Mouse

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Age in weeks	Quantity
3 to 10	1-999 \$433.00

9661 Male MPF ko/wt;tg/wt;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$433.00

Human 22q11.2 Deletion [Df(h22q11)/+] Mouse

Model Number: 11026

Animal Type: Constitutive Knockout (Genomic Deletion)

Nomenclature: C57BL/6- Del(16Dgcr2-Hira)1Tac

Application(s): Neuroscience, Psychiatric Disorders

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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Age in weeks	Quantity
4 to 10	1-999 \$521.00

11026 Male MPF ko/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$521.00

huNOG

Model Number: HSCCB-NOG

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}/ JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Transgenic Model Generation Support

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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- EP Patent No. 1,338,198
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huNOG-EXL EA (Early Access)

Model Number: HSCCB-13395-PREQC

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}
Tg(SV40/HTLV-IL3,CSF2)10-7Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment

Health Report:

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Species: Mouse

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huNOG-EXL SA (Standard Access)

Model Number: HSCCB-13395

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}
Tg(SV40/HTLV-IL3,CSF2)10-7Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment

Health Report:

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Species: Mouse

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huPBMC-B2m-NOG

Model Number: huPBMC-14957

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-B2m^{em1Tac} Prkd^{scid} Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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huPBMC-NOG

Model Number: huPBMC-NOG

Animal Type: Humanized Immune System Mouse Model

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immuno-Oncology, Safety Assessment, Transgenic Model Generation Support

Health Report:

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Species: Mouse

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ICR scid

Model Number: ICRSC

Animal Type: Spontaneous Mutant

Nomenclature: IcrTac:ICR-Prkdc^{scid}

Application(s): Immunology, Inflammation, Oncology & Immuno-Oncology

Health Report:

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Species: Mouse

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ICRSC Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-199
Female w/Litter	\$482.00
Untimed Pregnant	\$446.00

ICRSC Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 5	\$67.00	\$62.00
6 to 8	\$81.00	\$74.00
9	\$94.00	\$85.00

ICRSC Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 5	\$67.00	\$62.00
6 to 8	\$81.00	\$74.00
9	\$94.00	\$85.00

1110 Knockout (B6)

Model Number: 16006

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac-1110^{em8Tac}

Application(s): Autoimmune Disease, Immunology, Inflammation, Inflammatory Bowel Disease, Microbiome

Health Report:

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Species: Mouse

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16006 Female GF ko/ko (Germ Free)

Age in weeks	Quantity
	1-999
4 to 8	\$818.00
9 to 10	\$890.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$1,002.00

16006 Male GF ko/ko (Germ Free)

Age in weeks	Quantity
	1-999
4 to 8	\$818.00
9 to 10	\$890.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$1,002.00

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1110 Knockout (BALB/c)

Model Number: 15660

Animal Type: Constitutive Knockout

Nomenclature: BALB/cAnNTac-1110^{em7Tac}

Application(s): Autoimmune Disease, Immunology, Inflammation, Inflammatory Bowel Disease, Microbiome

Health Report:

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Species: Mouse

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15660 Female OF ko/ko (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$425.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$503.00

15660 Male OF ko/ko (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$425.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$503.00

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Jh (BALB/c)

Model Number: 1147

Animal Type: Constitutive Knockout

Nomenclature: C.Cg-Igh-J^{miDhu}

Application(s): Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

1147 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$288.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$288.00

1147 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$288.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$288.00

Jh (C57BL/6)

Model Number: 17758

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac-Igh-J^{em1}Tac

Application(s): Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: Conditions of Use for Taconic Transgenic Models™

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- This Model and biological materials derived from it

17758 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$288.00

17758 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$288.00

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LRRK2 G2019S Mouse

Model Number: 13940

Animal Type: Targeted Replacement

Nomenclature: C57BL/6-*Lrrk2*^{m4.1Arte}

Application(s): Neuroscience, Parkinson's Disease

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Label License Agreement and Conditions of Use for LRRK2 G2019S Mouse Model #13940

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- The Model may be bred or crossbred by purchaser.
- Purchaser shall inform MJFF of any crossbred animal generated ("Modified Progeny"), shall at MJFF's election deposit breeding pairs of each Modified Progeny with Taconic or another designee of MJFF and shall permit Taconic or another designee of MJFF to distribute the Modified Progeny on behalf of MJFF to non-profit institutions or for-profit institutions without any compensation to purchaser on terms similar to the terms and conditions by which purchaser received the Model. Purchaser assumes all liability for any claim or demand that Modified Progeny created by purchaser infringes on the intellectual property rights of any third party.
- The Model, progeny, or Modified Progeny may be used by non-profit institutions or for-profit institutions for research purposes only.
- The Model, any progeny, Modified Progeny or biological materials will not be used for commercial purposes.
- The Model, any progeny, Modified Progeny and biological materials derived from them will not be distributed to any third party.

13940 Female MPF ki/ki (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 8	1-999 \$154.00

13940 Male MPF ki/ki (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 8	1-999 \$154.00

- Purchaser assumes all risk from using the Model, any progeny, Modified Progeny and biological materials.
- To the extent permissible by law, purchaser indemnifies, defends, and holds harmless MJFF from any claim or demand that purchaser's use or transfer of the Model, any progeny, Modified Progeny or biological materials has caused harm, damage or liability.

[Conditions of Use - Printable Version](#)

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Mdr1a

Model Number: MDR1A

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-*Abcb1a*^{tm1Bor} N7

Application(s): ADMET, Autoimmune Disease, Immunology, Inflammation, Inflammatory Bowel Disease, Microbiome, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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MDR1A Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$417.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$417.00

MDR1A Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$417.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$417.00

Mdr1a/b

Model Number: 1487

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-*Abcb1a*^{tm1Bor}*Abcb1b*^{tm1Bor}
N12

Application(s): ADMET, Immunology, Inflammation,
Microbiome, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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1487 Female MPF ko/ko;ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$365.00

1487 Male MPF ko/ko;ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$365.00

Mdr1a/b-Bcrp

Model Number: 3998

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-*Abcb1a*^{tm1Bor} *Abcb1b*^{tm1Bor} *Abcg2*^{tm1Ahs} N7

Application(s): ADMET, Immunology, Inflammation, Microbiome, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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3998 Female MPF ko/ko;ko/ko;ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$361.00

3998 Male MPF ko/ko;ko/ko;ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$361.00

Order on [taconic.com](https://www.taconic.com)

NCr nude

Model Number: NCRNU

Animal Type: Spontaneous Mutant

Nomenclature: CrTac:NCr-Foxn^{TU}

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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NCRNU Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-199
Female w/Litter	\$578.00
Untimed Pregnant	\$526.00

NCRNU Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
4	\$77.00	\$71.00
5 to 7	\$90.00	\$84.00
8 to 9	\$96.00	\$88.00

NCRNU Female OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
4 to 9	\$53.00

NCRNU Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
4	\$77.00	\$71.00
5 to 7	\$90.00	\$84.00
8 to 9	\$96.00	\$88.00

NCRNU Male OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
4 to 9	\$53.00

NIH nude rat

Model Number: NIHRNU

Animal Type: Spontaneous Mutant

Nomenclature: NTac:NIH-*Foxn1*^{nu}

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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NIHRNU Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-199
Female w/Litter	\$2,476.00
Untimed Pregnant	\$2,144.00

NIHRNU Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$285.00
5 to 8	\$358.00
9 to 12	\$401.00

NIHRNU Female OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 12	\$150.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$286.00

NIHRNU Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$285.00
5 to 8	\$358.00
9 to 12	\$401.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$286.00

NIH nude rat

Model Number: NIHRNU

Animal Type: Spontaneous Mutant

Nomenclature: NTac:NIH-*Foxn1*^{nu}

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

NIHRNU Male OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 12	1-999 \$150.00

[Order on taconic.com](#)

NMRI

Model Number: NMRI

Animal Type: Outbred

Nomenclature: BomTac:NMRI

Application(s): Safety Assessment, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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NMRI Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$24.00
5 to 7	\$25.00
8 to 10	\$27.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Female w/Litter	\$166.00	
Timed Pregnant		\$203.00
Untimed Pregnant	\$158.00	

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

NMRI Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$24.00
5 to 7	\$25.00
8 to 10	\$27.00

NMRI nude

Model Number: NMRINU

Animal Type: Spontaneous Mutant

Nomenclature: BomTac:NMRI-Foxn1^u

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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NMRINU Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 5	\$150.00
6 to 8	\$188.00

NMRINU Female OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 5	\$77.00
6 to 8	\$99.00

NMRINU Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 5	\$150.00
6 to 8	\$188.00

NMRINU Male OF sp/wt (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 5	\$77.00
6 to 8	\$99.00

NOD

Model Number: NOD

Animal Type: Inbred

Nomenclature: NOD/MrkTac

Application(s): Diabetes, Immunology, Inflammation, Metabolic Disease, Microbiome

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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NOD Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$119.00
5 to 7	\$150.00
8 to 9	\$181.00

NOD Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$103.00
5 to 7	\$126.00
8 to 9	\$149.00

NOG-EXL (hGM-CSF/hIL-3 NOG)

Model Number: 13395

Animal Type:

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug}
Tg(SV40/HTLV-IL3,CSF2)10-7Jic/JicTac

Application(s): Cell and Tissue Humanized, Genetically Humanized, Immunology, Infectious Disease, Inflammation, Oncology & Immunology, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

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- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

13395 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 10	1-999 \$452.00

13395 Male OF sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
4 to 10	1-999 \$389.00

Oatp1a/1b Cluster Knockout Mouse

Model Number: 10707

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-Del(Slco1b2-Slco1a5)1Ahs

Application(s): ADMET

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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10707 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$429.00

10707 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$429.00

Rag2 - Model 601

Model Number: 601

Animal Type: Constitutive Knockout

Nomenclature: C.129S6(B6)-Rag2^{tm1Fwa} N12

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:
<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- Non-profit purchasers may not use this Model and/or biological materials derived from it in sponsored research or contract research studies unless it is purchased at the for-profit price.

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601 Female OF ko/ko (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$271.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$271.00

601 Male OF ko/ko (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$271.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$271.00

Rag2 - Model RAGN12

Model Number: RAGN12

Animal Type: Constitutive Knockout

Nomenclature: B6.129S6-Rag2^{mlFwa} N12

Application(s): Autoimmune Disease, Cell and Tissue Humanized, Immunology, Inflammation, Inflammatory Bowel Disease, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

RAGN12 Female MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$256.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$256.00

RAGN12 Female OF ko/ko (OPPORTUNIST FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$315.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$315.00

RAGN12 Male MPF ko/ko (MURINE PATHOGEN FREE™)

Age in weeks	Quantity
	1-999
3 to 10	\$256.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$256.00

Rag2 - Model RAGN12

Model Number: RAGN12

Animal Type: Constitutive Knockout

Nomenclature: B6.129S6-Rag2^{mlFwa} N12

Application(s): Autoimmune Disease, Cell and Tissue Humanized, Immunology, Inflammation, Inflammatory Bowel Disease, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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RAGN12 Male OF ko/ko (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 10	\$315.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$315.00

Order on [taconic.com](https://www.taconic.com)

Rag2/Il2rg Double Knockout

Model Number: 4111

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac.Cg-Rag2^{tm1Fwa} Il2rg^{tm1Wjl}

Application(s): Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immunology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

4111 Female OF ko/ko;ko/ko (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$275.00

4111 Male OF ko/ko;ko/y (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$275.00

Rag2/OT-I

Model Number: 2334

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: B6.129S6-Rag2^{tm1Fwa}
Tg(TcraTcrb)1100Mjb

Application(s): Autoimmune Disease, Immunology, Inflammation

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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2334 Female MPF ko/ko;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$407.00

2334 Male MPF ko/ko;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$407.00

Order on [taconic.com](https://www.taconic.com)

Rag2/OT-II (11490)

Model Number: 11490

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: B6.129S6-*Rag2*^{tm1Fwa}
Tg(TcraTcrb)425Cbn

Application(s): Autoimmune Disease, Immunology, Inflammation

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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[Order on taconic.com](https://www.taconic.com)

11490 Female MPF ko/ko;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$396.00

11490 Male MPF ko/ko;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$396.00

rasH2™ mouse

Model Number: 1178

Animal Type: Random Transgenic

Nomenclature: CByB6F1-Tg(HRAS)2Jic

Application(s): ADMET, Oncology & Immuno-
Oncology, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Contact Taconic for pricing

scid-beige

Model Number: CBSCBG

Animal Type: Spontaneous Mutant

Nomenclature: C.B-*Igh-1b/GbmsTac-Prkd^{scid-}*
Lyst^{b9N7}

Application(s): Cell and Tissue Humanized,
Immunology, Inflammation, Oncology & Immuno-
Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

[Order on taconic.com](https://www.taconic.com)

CBSCBG Female OF sp/sp;sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 6	\$99.00
7 to 10	\$111.00

CBSCBG Female DF sp/sp;sp/sp (Defined Flora)

Age in weeks	Quantity
	1-999
3 to 6	\$197.00
7 to 10	\$222.00

CBSCBG Male OF sp/sp;sp/sp (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 6	\$99.00
7 to 10	\$111.00

CBSCBG Male DF sp/sp;sp/sp (Defined Flora)

Age in weeks	Quantity
	1-999
3 to 6	\$197.00
7 to 10	\$222.00

SJL

Model Number: SJL

Animal Type: Inbred

Nomenclature: SJL/JCrNTac

Application(s): Cardiovascular Disease, Immunology, Inflammation, Oncology & Immuno-Oncology

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

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SJL Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$120.00
5 to 6	\$148.00
7 to 9	\$174.00

Specialized Inventory

Age / Type	Quantity
	1-199
Female w/Litter	\$967.00
Untimed Pregnant	\$645.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

SJL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$108.00
5 to 6	\$120.00
7 to 9	\$148.00

SOD1 Rat

Model Number: 2148

Animal Type: Random Transgenic

Nomenclature: NTac:SD-Tg(SOD1G93A)L26H

Application(s): Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

Licensing:

SOD1 Conditions of Use

Order on [taconic.com](https://www.taconic.com)

2148 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$273.00

2148 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$237.00

2148 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$273.00

2148 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 12	1-999 \$237.00

Sprague Dawley®

Model Number: SD

Animal Type: Outbred

Nomenclature: NTac:SD

Application(s): ADMET, Cardiovascular Disease, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

[Order on taconic.com](https://www.taconic.com)

SD Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$33.00
5 to 6	\$35.00
7 to 8	\$52.00
9 to 10	\$54.00
11	\$60.00
12	\$68.00
13	\$77.00
14	\$84.00
15	\$91.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Untimed Pregnant	\$151.00	
Retired Breeder	\$60.00	
Female w/Litter	\$191.00	
Timed Pregnant		\$207.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

Sprague Dawley®

Model Number: SD

Animal Type: Outbred

Nomenclature: NTac:SD

Application(s): ADMET, Cardiovascular Disease, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

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Order on [taconic.com](https://www.taconic.com)

SD Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$74.00
5 to 6	\$78.00
7 to 8	\$87.00
9 to 10	\$106.00
11	\$120.00
12	\$135.00
13	\$151.00
14	\$165.00
15	\$180.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Untimed Pregnant	\$295.00	
Female w/Litter	\$286.00	
Timed Pregnant		\$372.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

Sprague Dawley®

Model Number: SD

Animal Type: Outbred

Nomenclature: NTac:SD

Application(s): ADMET, Cardiovascular Disease, Neuroscience, Safety Assessment

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Rat

Licensing: This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).

[Order on taconic.com](https://www.taconic.com)

SD Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$33.00
5 to 6	\$35.00
7 to 8	\$53.00
9 to 10	\$64.00
11	\$78.00
12	\$89.00
13	\$102.00
14	\$113.00
15	\$131.00
16	\$140.00
17	\$151.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$74.00

SD Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$65.00
5 to 6	\$67.00
7 to 8	\$98.00
9 to 10	\$126.00
11	\$140.00
12	\$168.00
13	\$184.00
14	\$198.00
15	\$227.00

Stat1

Model Number: 2045

Animal Type: Constitutive Knockout

Nomenclature: 129S6/SvEv-Stat1^{flm1Rds}

Application(s): Immunology, Infectious Disease, Inflammation

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

2045 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$304.00

2045 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$304.00

Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

Application(s): Safety Assessment, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Swiss Webster Germ Free Swiss Webster are sold subject to Taconic's [Terms and Conditions for Taconic's Models, Products and Services](#) and the following terms of use:

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- Germ Free Swiss Webster, progeny and materials derived from them will not be distributed to third parties.

Murine Pathogen Free™ and Opportunist Free Swiss Webster mice are sold subject to Taconic's [Terms and Conditions for Taconic's Models, Products and Services](#).

Order on [taconic.com](https://www.taconic.com)

SW Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$16.00
5 to 6	\$18.00
7 to 8	\$20.00
9 to 10	\$21.00
11 to 12	\$26.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Retired Breeder	\$22.00	
Female w/Litter	\$176.00	
Timed Pregnant		\$168.00

SW Female OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$35.00
5 to 6	\$38.00
7 to 8	\$40.00
9 to 10	\$43.00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
Female w/Litter	\$208.00	
Timed Pregnant		\$297.00
Untimed Pregnant	\$209.00	

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

Application(s): Safety Assessment, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Swiss Webster Germ Free Swiss Webster are sold subject to

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Murine Pathogen Free™ and Opportunist Free Swiss Webster mice are sold subject to Taconic's [Terms and Conditions for Taconic's Models, Products and Services](#).

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SW Female GF (Germ Free)

Age in weeks	Quantity
	1-999
4	\$359.00
5	\$367.00
6	\$397.00
7	\$411.00
8	\$449.00
9	\$499.00
10	\$558.00

Specialized Inventory

Age / Type	Quantity
	1-199
Untimed Pregnant	\$1,994.00
Retired Breeder	\$558.00
Female w/Litter	\$2,455.00

*Untimed pregnant requests are filled with late gestation pregnant females. Pups may be delivered in transit.

SW Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$16.00
5 to 6	\$18.00
7 to 8	\$20.00
9 to 10	\$21.00
11 to 12	\$26.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$23.00

Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

Application(s): Safety Assessment, Transgenic Model Generation Support, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

Terms of Sale and Use for Swiss Webster Germ Free Swiss Webster are sold subject to Taconic's [Terms and Conditions for Taconic's Models, Products and Services](#) and the following terms of use:

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SW Male OF (Opportunist Free™)

Age in weeks	Quantity
	1-999
3 to 4	\$35.00
5 to 6	\$38.00
7 to 8	\$40.00
9 to 10	\$43.00

SW Male GF (Germ Free)

Age in weeks	Quantity
	1-999
4	\$359.00
5	\$367.00
6	\$397.00
7	\$411.00
8	\$449.00
9	\$499.00
10	\$545.00

Specialized Inventory

Age / Type	Quantity
	1-199
Retired Breeder	\$545.00

Tau - Model 2508

Model Number: 2508

Animal Type: Random Transgenic

Nomenclature: STOCKTg(Prnp-MAPT*P301L)JNPL3Hlmc

Application(s): Alzheimer's Disease, Genetically Humanized, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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2508 Female MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$556.00

2508 Male MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$556.00

Order on [taconic.com](https://www.taconic.com)

Tau Control

Model Number: 18392

Animal Type:

Nomenclature: STOCK (SW and B6D2F1)

Application(s): Alzheimer's Disease, Neuroscience

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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Order on [taconic.com](https://www.taconic.com)

18392 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$556.00

18392 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
3 to 10	1-999 \$556.00

TK-NOG

Model Number: 12907

Animal Type:

Nomenclature: NOD.Cg-Prkdc^{scid} Il2rg^{tm1Sug} Tg(Alb-UL23)7-2/ShiJic

Application(s): ADMET, Cell and Tissue Humanized, Infectious Disease, Metabolic Disease

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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- US Trademark Reg. No. 3,118,040
- EU Trademark Reg. No. 3,736,758

Order on [taconic.com](https://www.taconic.com)

12907 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$612.00

12907 Male OF sp/sp;ko/y;tg/wt (Opportunist Free™)

Age in weeks	Quantity
3 to 10	1-999 \$612.00

TNF- α

Model Number: 1006

Animal Type: Random Transgenic

Nomenclature: B6.Cg-Tg(TNF)#Xen

Application(s): Autoimmune Disease, Genetically Humanized, Immunology, Inflammation

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing:

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[Order on taconic.com](https://www.taconic.com)

1006 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$583.00

1006 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$380.00

1006 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$583.00

1006 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
4 to 10	1-999 \$380.00

β-actin-luc - Model 11977

Model Number: 11977

Animal Type: Random Transgenic

Nomenclature: B6.Cg-Tyr^{tm1Arte} Tg(Actb-luc)46Xen

Application(s): ADMET, Alzheimer's Disease, Autoimmune Disease, Cardiovascular Disease, Diabetes, Immunology, Infectious Disease, Inflammation, Microbiome, Neuroscience, Oncology & Immuno-Oncology, Parkinson's Disease, Psychiatric Disorders, Reporter Lines, Vaccine Research

Health Report:

<https://www.taconic.com/quality/health-reports/>

Species: Mouse

Licensing: Conditions of Use

Title to the LPTA® Models is not transferred to researcher. Researcher has only the following limited rights to use the LPTA® Models. Researcher may obtain derivatives from the LPTA® Models, consisting of tissues or organs, for their research use, however researcher shall have no right to establish luciferase containing cell lines from such derivatives.

Researcher may not breed or propagate the LPTA® Models without the prior express written consent of Taconic. Researcher may not transfer the LPTA® Models or any derivatives to a third party. TACONIC MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FOR NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH REGARDS TO THE LPTA® MODELS.

Order on [taconic.com](https://www.taconic.com)

11977 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$544.00

11977 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
5 to 10	1-999 \$544.00

The rasH2™ Mouse

The Gold Standard for Carcinogenicity Testing, Providing Clearer Results in Significantly Less Time

Traditional two-year carcinogenicity assays are slow, expensive, and difficult to interpret with clarity due to the high rate of background tumor development over a typical mouse's two-year lifespan. The rasH2 mouse is the only widely used transgenic model accepted by global regulatory authorities for six-month carcinogenicity studies, providing a faster, clearer, and less costly way to assess carcinogenic potential of drug candidates.

THE TACONIC rasH2™ MOUSE OFFERS A BETTER ALTERNATIVE

The rasH2 model enables you to perform short-term carcinogenicity testing of compounds on a much faster timeline - reducing the in-life portion of your study to 1/4 of a traditional two-year study.

The use of Taconic rasH2 mice is accepted by the Food & Drug Administration (FDA), European Medicines Agency (EMA), National Medical Products Administration (NMPA), and other regulatory agencies for use in carcinogenicity testing under the

International Conference on Harmonisation (ICH) S1B(R1) Guideline. Developed by CIEA and distributed by Taconic, rasH2 is the only transgenic model with widespread use by drug developers and acceptance by regulatory authorities.

rasH2 mice are sold with full research use rights and are readily available in typical study quantities for distribution globally - enabling you to immediately begin using them in your research.

HOW THE TACONIC rasH2™ MOUSE WORKS

Taconic rasH2 mice carry the human c-Ha-ras oncogene in addition to the endogenous murine Ha-ras oncogene. The presence of the human c-Ha-ras gene makes hemizygous rasH2 mice highly susceptible to tumor development when exposed to compounds that cause cancer in humans.

ADVANTAGES OF THE rasH2™ MOUSE

SHORTER STUDIES FOR FASTER ANSWERS

- ▶ Forego the two-year standard mouse study and opt instead to conduct a six-month rasH2 study
- ▶ Reduce the in-life portion of your carcinogenicity testing by as much as 75 percent
- ▶ Obtain critical data and answers on your compound sooner
- ▶ For compounds which receive a waiver on a two-year rat study, use of rasH2 can condense the overall carcinogenicity assessment timeline significantly.

MORE ACCURATE CARCINOGENICITY RESULTS

- ▶ Reduce false positives and avoid confusing conclusions using a model with low risk of spontaneous tumor formation
- ▶ Gain clarity on your small molecule drug's carcinogenic potential, for both genotoxic and non-genotoxic carcinogens
- ▶ Move forward confidently using a model accepted by the FDA, EMA, NMPA, and other global regulators

LOWER CARCINOGENICITY TESTING COSTS

- ▶ Use smaller study group sizes than standard mouse assays require
- ▶ Reduce your cage utilization and compound dosing costs
- ▶ Fewer animals dosed for a shorter time period means lower total test article required and thus decreased costs for test article production
- ▶ Significantly reduce the number of pathology samples and analysis

Get in touch with us for more information.

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The rasH2 Mouse

Continued

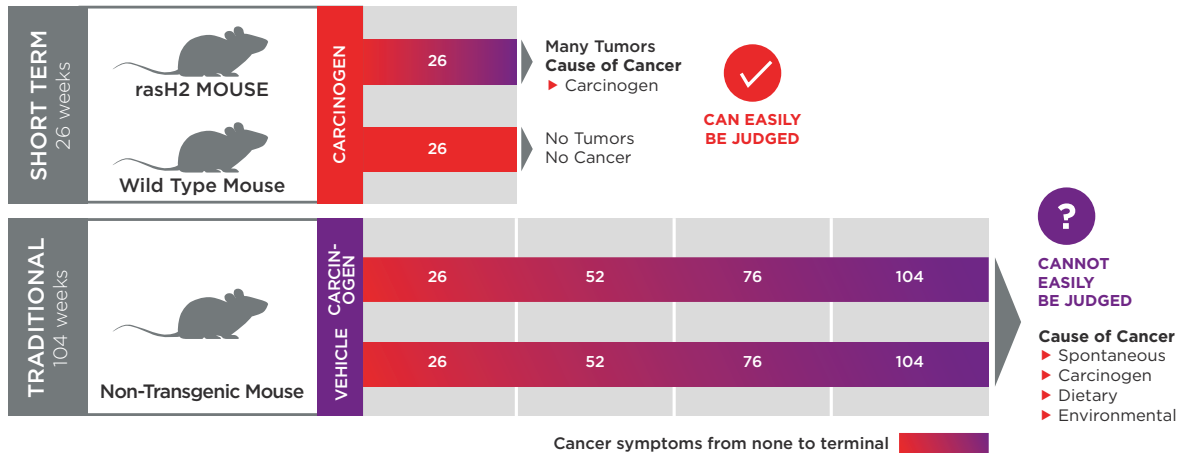
Substantial phenotypic data demonstrate that rasH2 mice have an extremely low incidence of spontaneous tumors up to the age of six months and provide more rapid onset and a higher incidence of tumors after being treated with either genotoxic or non-genotoxic carcinogens.

By empowering you to complete carcinogenicity testing on a significantly faster timeline, Taconic rasH2 mice greatly reduce your costs and help to minimize the risk of false positives from spontaneous background tumors.

ASSESS YOUR SMALL MOLECULE DRUG FOR CARCINOGENICITY FASTER AND AT A LOWER COST

Choose the only transgenic model that's both widely used by drug developers and accepted by global regulatory agencies for short-term carcinogenicity testing—now with the potential to condense overall carcinogenicity assessment timelines significantly for compounds which receive a two-year rat study waiver.

CARCINOGENICITY TESTING (IN WEEKS)



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The NOG Portfolio

A Unique Portfolio with Broad Applications Built Upon the Superior Immunodeficient CIEA NOG mouse®

The NOG mouse is a widely used and versatile mouse which offers many advantages over standard nude and scid strains, particularly for engraftment of challenging cell lines, patient-derived xenografts, and immune system humanization.

The NOG mouse is the base of a flexible platform which includes a variety of next-generation models which have specific utility as well as several different types of humanized immune system models.

THE CIEA NOG mouse®

A super immunodeficient mouse with unparalleled ability to engraft human cells and tissues, including human hematopoietic lineages. Applications in oncology, infectious disease, autoimmune disease and more.

NEXT-GENERATION NOG MODELS

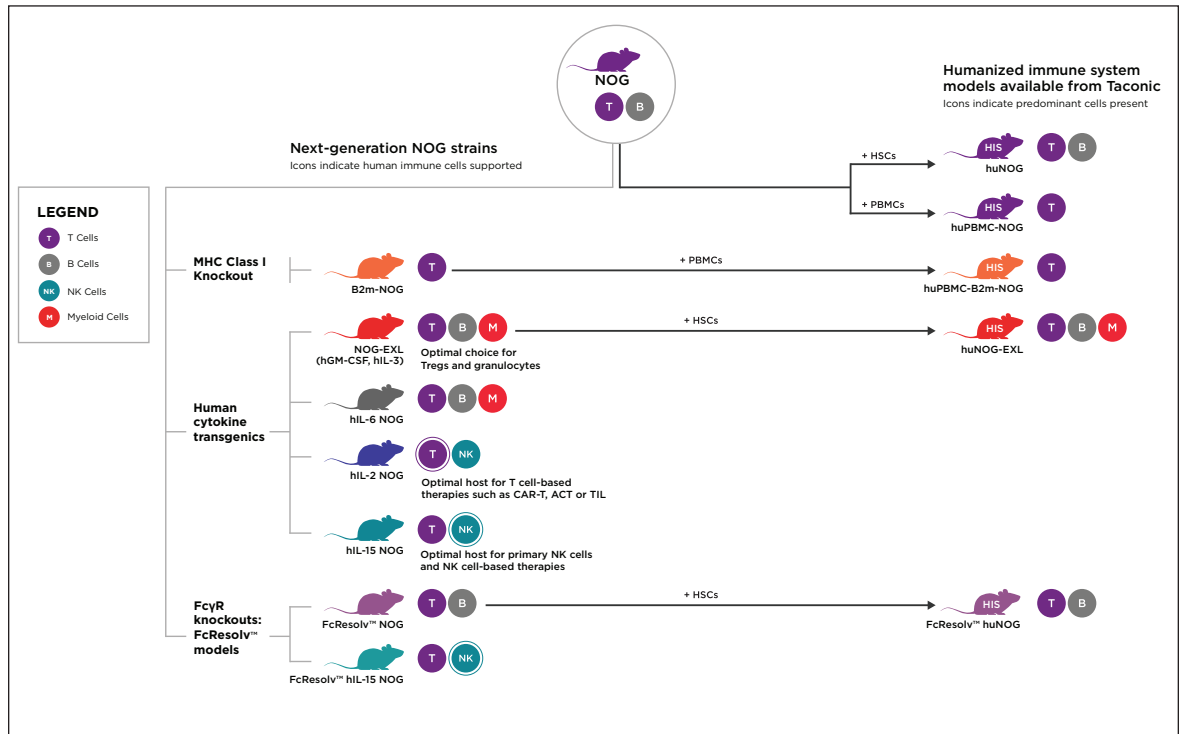
Next-generation models are based on the CIEA NOG mouse with further genetic modifications. Examples of such modifications include expression of human cytokines that support myeloid lineage development and modifications that enable reconstitution of human liver.

NOG-EXL

Studies involving human myeloid cells, including immuno-oncology and allergy applications; host for acute myeloid leukemia (AML) PDX.

hIL-2 NOG

Research involving human T cells, including Graft vs. Host Disease, CAR-T cell efficacy studies, tumor infiltrating lymphocytes (TILs).



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The NOG Portfolio

Continued

hIL-15 NOG

Studies involving human NK cells, including immuno-oncology and Graft vs. Host Disease applications.

hIL-6 NOG

Studies involving human monocytes and macrophages, including tumor-associated macrophages (TAMs); host for multiple myeloma (MM) PDX.

B2m-NOG

Prolonged study window following engraftment of human PBMCs for immuno-oncology and other efficacy studies.

TK-NOG

NOG with transgenic expression of thymidine kinase under control of liver-restricted albumin promoter. Used for reconstitution of the human liver.

huNOG

A humanized immune system mouse with long-term engraftment of human lymphoid cells.

FcResolv™ huNOG

A humanized immune system (HIS) mouse supporting long-term engraftment of human lymphoid cells with reduction of murine immune activity through functional knock out of mouse FcγRs

huPBMC-B2m-NOG

A model for investigation of adult, mature T cells with a prolonged study window relative to huPBMC-NOG.

huPBMC-NOG

A short-term model for investigation of adult, mature T cells.

HUMANIZED IMMUNE SYSTEM MOUSE MODELS

huNOG-EXL: A humanized immune system mouse supporting both myeloid and lymphoid cells. Available as huNOG-EXL SA or huNOG-EXL EA.

▶ **huNOG-EXL SA**

For researchers who want access to live inventory for immediate delivery, the huNOG-EXL SA (Standard Access) is the ideal model, particularly for experiments with shorter timelines or studies that must start as soon as possible.

▶ **huNOG-EXL EA**

For researchers with certain experimental designs or logistical hurdles, early access to huNOG-EXL mice soon after engraftment may be advantageous, particularly for longer study timelines which may push the bounds of the useful study window in these mice.

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The NOG Portfolio

Continued

INTRODUCING THE FcRESOLV™ NOG PORTFOLIO

The first and only super immunodeficient mouse models lacking murine Fc gamma receptors (FcγRs) known to confound results.

Researchers who work with antibody-based therapies find that murine Fc gamma receptors (FcγRs) can confound preclinical study results, causing false positives or false negatives that lead to incorrect conclusions which can derail drug discovery. By knocking out these receptors, FcResolv™ NOG models provide clarity in antibody-based drug studies, offering greater confidence and more translatable data while utilizing fewer resources. These novel mouse models improve your antibody-based therapy assessment in three critical ways:

GREATER CONFIDENCE IN YOUR STUDY RESULTS

Eliminate the false negatives that occur when an antibody-based therapeutic's Fc domain interacts with murine FcγRs and the false positives that result when FcγRs trigger residual murine immune activity.

MORE ACCURATE ASSESSMENT OF ANTIBODY-BASED THERAPY

FcResolv™ NOG models more accurately assess an antibody-based therapy's efficacy and mechanism of action, allowing your drug candidate to be evaluated on its own merits without interference from FcγR activity. By clarifying the mechanism of action, you eliminate costly deconvolution steps.

BETTER ANSWERS WITH FEWER RESOURCES

Avoid wasteful investments based on false positives due to Fc domain interactions with residual murine immune cells. FcResolv NOG mouse models can give you more reliable answers faster using fewer studies and animals.

WHICH FcRESOLV™ NOG MODEL IS RIGHT FOR YOUR STUDY?

FcResolv NOG mouse models expand the utility of Taconic's powerful NOG platform and can be used in similar applications as the base models (CIEA NOG mouse* and hIL-15 NOG). They are ideal for investigating any indication which utilizes a therapy incorporating an Fc domain, including immuno-oncology, autoimmune disease, and more.

The NOG Portfolio

Continued

FcResolv™ NOG Mouse

- ▶ Super immunodeficient NOG mouse
- ▶ Reduces residual murine immune activity by functionally knocking out mouse FcγRs (See table below).
- ▶ Suitable for similar applications as the CIEA NOG mouse®, including tumor xenografts using cell lines or patient-derived tumors, immune system humanization studies, and engraftment of other types of normal and pathological human cells and tissues.

FcResolv™ huNOG Mouse

- ▶ A humanized immune system FcResolv™ NOG mouse supporting long-term engraftment of human lymphoid cells
- ▶ Humanized with hematopoietic stem cells (HSCs) resulting in engraftment of human immune cells at levels similar or better than huNOG

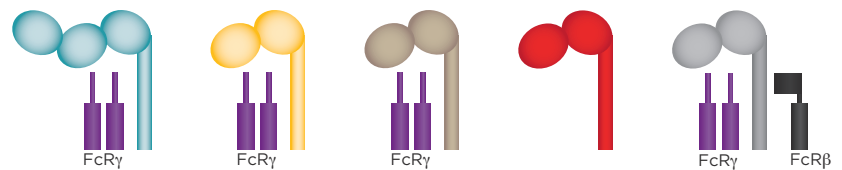
- ▶ Suitable for similar applications as the huNOG, including efficacy studies on antibody-based therapeutics for immuno-oncology, infectious disease, autoimmune disease and more

FcResolv™ hIL-15 NOG Mouse

- ▶ Super immunodeficient NOG mouse expressing human IL-15 cytokine to support engraftment of human NK cells.
- ▶ Reduces residual murine immune activity by functionally knocking out mouse FcγRs (See table below).
- ▶ Suitable for similar applications as the hIL-15 NOG, including efficacy studies on antibody-based therapeutics with an ADCC mechanism of action.

Mouse Fc Receptors Absent in FcResolv™ NOG Models

FcResolv™ NOG models lack all murine Fc gamma receptors (FcγRs) as well as FcεRI. The table below details binding affinity of various mouse and human immunoglobulin G and E (IgG and IgE) subclasses to relevant mouse Fc receptors.



Mouse FcR	FcγRI	FcγRIII	FcγRIV	FcγRIIb	FcεRI*
Function	Activating	Activating	Activating	Inhibitory	Activating
Expression Pattern	Dendritic Cells, Monocytes/Macrophages (±)	Dendritic Cells, Natural Killer Cells, Monocytes/Macrophages, Neutrophils	Monocytes/Macrophages, Neutrophils	Dendritic Cells, Monocytes/Macrophages, Neutrophils	Mast Cells, Basophils
Mouse Ig Relative Binding Affinity to Mouse FcR	mIgG1: - mIgG2a: †††† mIgG2b: - mIgG3: -	mIgG1: †† mIgG2a: †† mIgG2b: †† mIgG3: -	mIgG1: - mIgG2a: ††† mIgG2b: †† mIgG3: -	mIgG1: ††† mIgG2a: †† mIgG2b: †† mIgG3: -	mIgE: ††††
Human Ig Relative Binding Affinity to Mouse FcR	hIgG1: †††† hIgG2: - hIgG3: †††† hIgG4: †††	hIgG1: † hIgG2: † hIgG3: †† hIgG4: †	hIgG1: ††† hIgG2: - hIgG3: ††† hIgG4: †	hIgG1: †† hIgG2: - hIgG3: †† hIgG4: †	hIgE: -
Human FcR Ortholog	hFcγRI	hFcγRIIIa	hFcγRIIIa	hFcγRIIb	hFcεRI

*Note: FcεRI also requires the Fcγ common subunit and is nonfunctional in FcResolv NOG models. The low affinity FcγRII receptor remains present.

Get in touch with us for more information.

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Exclusive Immuno-Oncology Technologies

Products and Services

Taconic uniquely combines a broad portfolio of models, including advanced genetically engineered models (GEMs) and humanized mice with integrated IP access, with expertise in oncology model generation and breeding, all with an ecosystem of scientific support designed to always provide our customers with the best solution.

HUMANIZED IMMUNE SYSTEM MICE

Humanized immune system models are widely applied in preclinical immuno-oncology research. Selection of the best strain starts from determination of which human cell types are of interest. The huNOG-EXL supports superior levels of human cell engraftment and the differentiation of both human myeloid and lymphoid cells. It also offers a longer average lifespan compared to competing models.

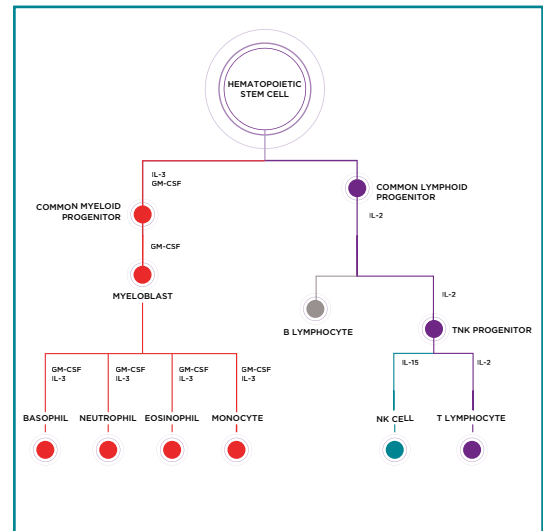
THE NOG PORTFOLIO OF SUPER IMMUNODEFICIENT MICE

The CIEA NOG mouse® is a versatile and widely used super immunodeficient model which is a superior host for immune system humanization and tumor xenografts, particularly difficult to engraft cell lines and patient-derived xenografts. Next-generation NOG models support engraftment of specific human immune and/or tumor cells.

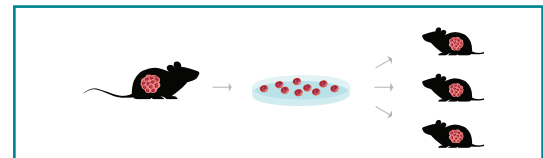
SYNGENEIC TUMOR MOUSE MODELS & RESEARCH TOOLS

Syngeneic tumor mouse models are widely used for immuno-oncology because they offer an *in vivo* system with normal immune function for testing immune-modulating therapeutics. Taconic offers a deep toolbox

for syngeneic studies, from common inbred strains through GEM models for sophisticated experiments.



Hematopoiesis and Human Immune System Engrafted Mice



Syngeneic Tumor Mouse Models

Get in touch with us for more information.

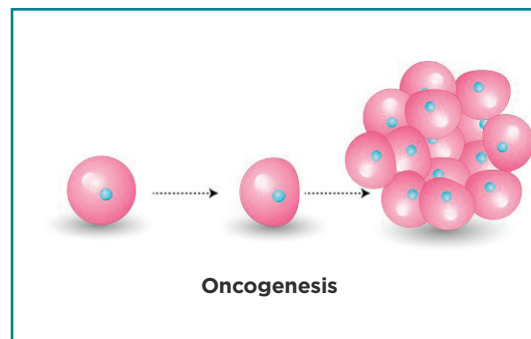
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Exclusive Immuno-Oncology Technologies

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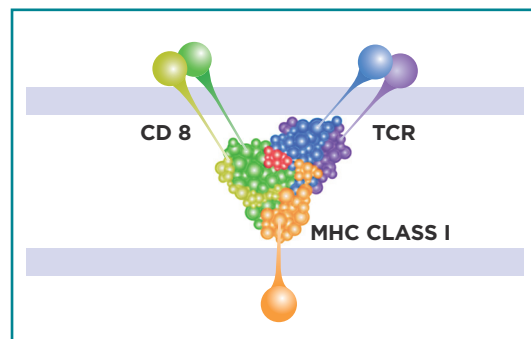
SPONTANEOUS TUMOR MICE & RAT MODELS

Taconic offers several cancer GEMs: models in which particular mutations have been introduced to provoke spontaneous tumor development. These models are particularly useful for studies of tumorigenesis and tumor prevention and can be used to derive tumors for syngeneic tumor studies.



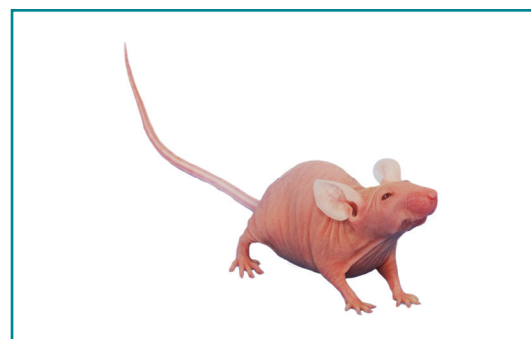
TRANSGENIC HLA MICE

Transgenic mice which express human HLA molecules are used for cancer immunotherapy research in several ways, including evaluation of HLA-restricted CTL epitope responses *in vivo*, determining the immunogenicity of novel cancer vaccines, testing expansion and response of CAR-T cells and more.



IMMUNODEFICIENT MICE AND RATS

Immunodeficient mice and rats are used as hosts for xenografts and for immune system humanization. Taconic offers a range of strains from nudes through super immunodeficient to facilitate studies using both human cell lines and patient-derived xenografts as well as sophisticated humanized immune system models for immuno-oncology studies.



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Exclusive Immuno-Oncology Technologies

Continued

CUSTOM SOLUTIONS FOR ONCOLOGY AND IMMUNO- ONCOLOGY RESEARCH

CUSTOM MODEL GENERATION SOLUTIONS:

- ▶ *De novo* Model Generation
- ▶ Integrated Speed to Cohort Solutions
- ▶ Quality Leadership
- ▶ Scaled Deliverables to Match Every Need
- ▶ Any Genetic Background Possible

COLONY MANAGEMENT SOLUTIONS:

- ▶ Globally Harmonized Health Standard Options
- ▶ Genetic Monitoring Programs
- ▶ Animal Quality and Awareness
- ▶ Scientific Leadership & Innovative Solutions
- ▶ Customized Programs to Each Partner



FOR MORE INFORMATION

Visit our oncology & immuno-oncology online portfolio for resources and additional information.

NAFLD and NASH Models

Nonalcoholic fatty liver disease (NAFLD) and nonalcoholic steatohepatitis (NASH) are global health epidemics. With no currently approved therapeutics for treatment of NASH, researchers urgently require better availability of preclinical models.

DIET-INDUCED NASH B6 MOUSE

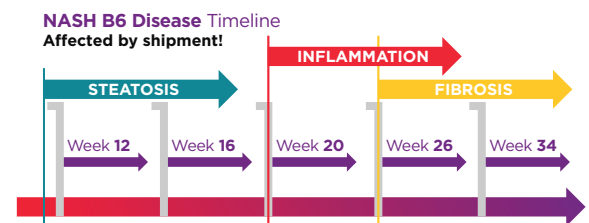
- ▶ Taconic maintains an inventory of C57BL/6NTac male mice conditioned on a modified Amylin liver NASH (AMLN) diet with 40 kcal% fat, 20 kcal% fructose and 2% cholesterol. In stock up to 26 weeks on diet.
- ▶ Becomes obese and develops fatty liver, liver inflammation and fibrosis after 26 weeks on diet
- ▶ Off-the-shelf availability permits researchers to start studies immediately, saving months of conditioning time, and preserving vivarium space for active studies rather than conditioning cohorts.

DIET-INDUCED OBESE (DIO) B6 MOUSE

- ▶ Taconic maintains an inventory of C57BL/6N-Tac male mice conditioned on a 60 kcal% high fat diet. In stock up to 20 weeks on diet.
- ▶ Becomes obese and develops fatty liver. May be further manipulated via chemical induction in order to develop a more severe NAFLD phenotype.
- ▶ Off-the-shelf availability permits researchers to start studies immediately, saving months of conditioning time, and preserving vivarium space for active studies rather than conditioning cohorts.

CUSTOM DIET ADMINISTRATION

Taconic is also able to generate other NASH models, for example by feeding different specified diets to B6 or other strains. **Contact us** for more details on available services.



TISSUE COLLECTION

Taconic can provide murine biospecimen collections on NASH, DIO and control animals as a separate service, including blood, plasma, serum, liver, adipose tissue and many others. We offer various preservation methods including snap freezing, immersion in 10% neutral buffered formalin or immersion in culture media. Contact us for a complete list of available tissues and services.

Custom Model Generation Solutions

Precise genetically-engineered animal models for preclinical research and drug discovery.

Generating custom rodent models requires significant technical expertise, time, and resources. Taconic provides the expertise, capabilities, and integrated support required to generate the most appropriate model for your research while reducing timelines and stewarding resources.

CUSTOM MODELS TO FIT YOUR SPECIFIC NEEDS



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Custom Model Generation Solutions

Continued

DECADES OF EXPERTISE

With over twenty years of experience, Taconic is the global leader in custom model generation. Taconic's robust capabilities leverage the correct technology to deliver the most appropriate model to meet our customer's specific study requirements and drive their research forward. Taconic accomplishes this by combining the most comprehensive gene modification toolkit in the industry, with the ability to seamlessly progress model generation programs to colony management. Fortifying this expertise is Taconic's long history of model generation innovation, including commercializing *in vivo* gene knockdown, being the first company to utilize CRISPR/Cas9 gene editing in both mice and rats, and being the first rodent model generation company to use robotic sample handling. The combination of history and expertise allows Taconic to successfully execute difficult and complex projects, including large genomic insertions.

YOUR RESEARCH, YOUR MODEL

Taconic is fully-licensed to utilize all major methods employed for model generation and holds CRISPR licenses from both UC Berkeley (via ERS Genomics) and the Broad Institute. Taconic also employs its own proprietary technology so that you may use and freely publish the results obtained with your custom model.

To ensure a seamless transition to colony management and minimize overall timelines to the production of experimental cohorts, Taconic provides exclusive ExpressMODEL® services, which can be incorporated into embryonic stem cell (ESC), CRISPR/Cas9, and random integration transgenesis (RITg) projects. Depending on experimental needs, these services can reduce timelines by 3-4 months or more.

Join the hundreds of companies and institutions that turn to Taconic for expertise, commitment to quality, dedicated proactive project management, and comprehensive, fully integrated model generation and colony management capabilities.

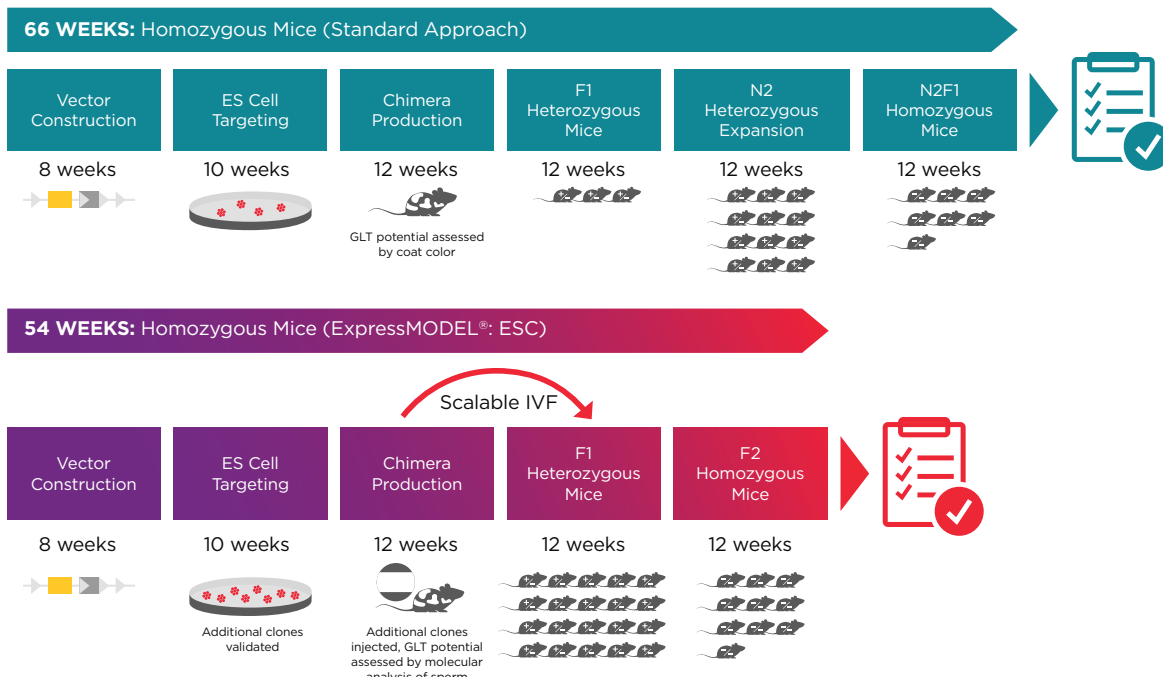
Custom Model Generation Solutions

Continued

ExpressMODEL® Platforms

A NOVEL APPROACH TO ACCELERATE TIMELINES
Obtain Results Faster Than Traditional Model Development

ExpressMODEL® ESC Option



BENEFITS OF THE ExpressMODEL® ESC OPTION:

- ▶ Reduce the timeline to results by 3-4 months or more depending on experimental needs
- ▶ Generate models at any Taconic health status
- ▶ Flexible production of large F1 animal numbers based on need
- ▶ Direct assessment of chimerism and no reliance on natural breeding
- ▶ Stringent quality controls throughout projects

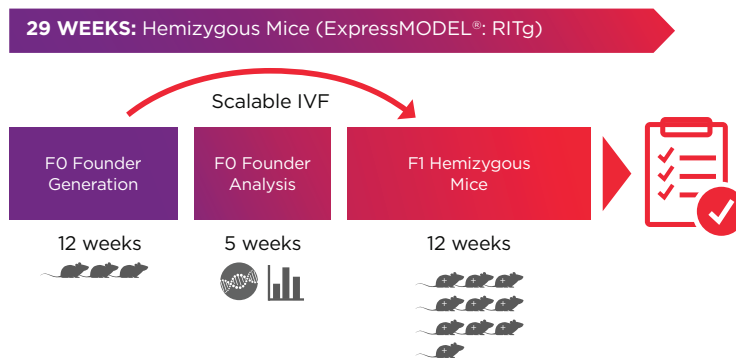
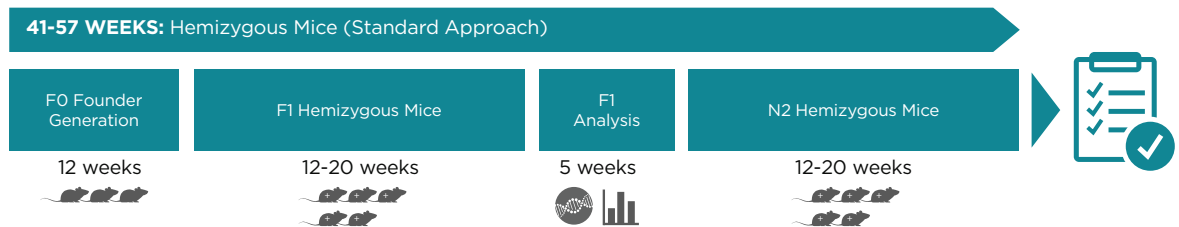
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Custom Model Generation Solutions

Continued

ExpressMODEL® RITg Option



BENEFITS OF THE ExpressMODEL® RITg OPTION:

- ▶ Reduce the timeline to transgene expression and fertility data by 3-5 months compared to the traditional approach
- ▶ Predictable and accelerated timelines through in vitro fertilization (IVF) versus natural breeding
- ▶ Customize the cohort size at the desired Taconic health standard to meet your research needs
- ▶ Avoid the cost and time constraints of breeding and characterizing multiple founders

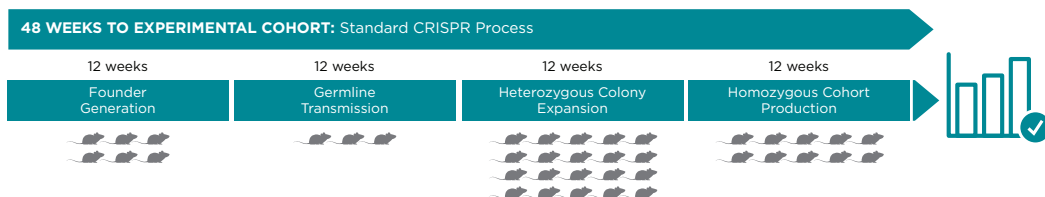
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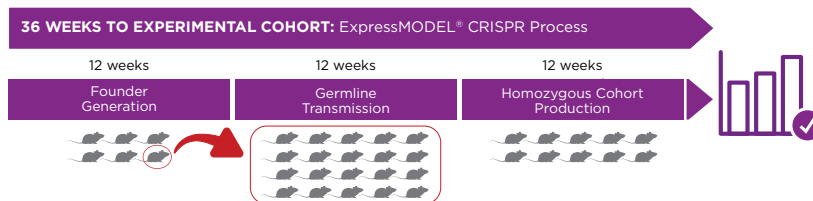
Custom Model Generation Solutions

Continued

ExpressMODEL® CRISPR Option



VS



RAPID CUSTOM MODEL DEVELOPMENT

Save at least 3 months to a homozygous cohort by producing more gene-edited mice, one generation earlier

BENEFITS OF THE ExpressMODEL® CRISPR OPTION:

- ▶ Program Security: Molecular characterization of founders at on- and off-target loci ensures the quality of the genetic modification early in the project and assesses the risk of inheritance of undesired mutations.
- ▶ Earlier Results: Informed founder selection for germline transmission enables scaling of heterozygous mouse production, eliminating the need for an expansion breeding step and saving at least 3 months in the overall timeline to a homozygous cohort.
- ▶ Predictable Timelines: The use of IVF versus natural mating for germline transmission affords production of age-matched mice and enables synchronized breeding.
- ▶ Health Standard Options: Heterozygous mice are produced at one of Taconic's IHMS health standards to meet your specific research needs and facilitate breeding in barrier environments.

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Colony Management Solutions

Dynamic, Comprehensive Housing and Husbandry Customized to Your Research Goals

END-TO-END SOLUTIONS FOR COMPLEX CHALLENGES

At Taconic Biosciences, we work collaboratively with our clients. When it comes to breeding programs, our PhD scientists take the time to understand your research goals and harness Taconic's vast resources to help you achieve them. Leveraging Taconic's unmatched model repositories, advanced custom model generation capabilities, and flexible breeding solutions, our experts will craft a custom plan to produce the cohorts you need to attain your research goals.

Taconic was the first company to provide contract breeding. Taconic's 65 years of breeding experience, PhD scientific management, dedicated project management team, custom project plans, and agile project execution allows Taconic to provide customers with the best breeding solutions to drive their programs forward.

PRIMARY SERVICES

- ▶ Breeding Solutions
- ▶ Rederivation
- ▶ Multiple Speed-to-cohort Options (FRapid® expansion, RapidEXPANSION™)
- ▶ Cryopreservation
- ▶ Molecular Analysis

PROVEN QUALITY, UNMATCHED EXPERTISE

Taconic's experts have facilitated more than 15,000 projects. Our knowledgeable and experienced PhD scientists understand the challenges you face and are equipped to deliver a custom solution that accommodates your timeline and budget.

THE TACONIC APPROACH

Taconic's unique approach to Colony Management distinguishes us in the industry. Our proactive approach to Project Management provides stewardship of resources while ensuring the best solution to meet mutually defined goals. A dedicated PhD Scientific Program Manager partners with you to understand your goals and develops a customized breeding strategy based on your specific project requirements. This ensures a proactive, planning focused approach that mitigates challenges faced to maintain progress toward your goals. Your progress can be tracked on-demand using eTACONIC® Platform, and our scientists and experts are available to you for consultation on custom model generation, embryology, genetics and veterinary sciences.

PORTFOLIO & PROJECT MANAGEMENT

Taconic's comprehensive and disciplined Portfolio & Project Management assures delivery of your cohorts on time and on budget.

- ▶ **Partnership:** Partnering with you is the cornerstone of Taconic's successful Portfolio & Project Management. Your Program Manager will work with you to define the scope of your project, develop a breeding plan, define a timeline, and establish a budget.
- ▶ **Transparency:** Taconic prides itself on being transparent with our customers, so that we can ultimately provide them with the best solution for their project. Your Program Manager will explain the methods and resources integral to your plan. You will know the possible risks and mitigation strategies before your project begins.
- ▶ **Teamwork:** Your dedicated team consists of your Scientific Program Manager, a Project Manager, and an array of subject matter experts.
- ▶ **Communication:** Your team keeps you informed through a customized communication plan.
- ▶ **Efficiency:** Regular financial and production reports allow us to suggest modifications that will optimize efficiency and contain costs. Based on our extensive experience, we have data that allow us to create accurate cost and timeline projections.

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Colony Management Solutions

(Continued)

FLEXIBLE CAPABILITIES AND SERVICES

Taconic's extensive range of services allows our team to create a customized breeding plan that addresses your specific needs and goals.

Animal Housing

- ▶ Multiple housing options to accommodate your timeline and budget, meet the health requirements of your research, and allow us to quickly import animals.

Molecular Analysis

- ▶ Comprehensive platform of genotyping and genetic analysis
- ▶ Exclusive partnership with Transnetyx, the worldwide leader in rodent genotyping services
- ▶ Partnership with Cergentis, providing Transgene Mapping Analysis

Embryology and Cryopreservation

- ▶ Rederivation capabilities for multiple mouse and rat strains to reset a colony's health status
- ▶ FRapid® expansion and RapidEXPANSION™ to quickly scale colonies from frozen material or donor animals
- ▶ Sperm and embryo cryopreservation in mice; embryo cryopreservation in rats
- ▶ Cryorecovery of genetically engineered lines available for mice and rats

Surgical Models and Services

- ▶ Portfolio of surgically altered rodent models that represent human disease
- ▶ Surgical modifications (i.e. catheterization) available in both mouse and rat
- ▶ Tissue collection from any Taconic model or your model being bred at a Taconic facility

Health Monitoring

- ▶ International Health Monitoring System™ that surpasses FELASA guidelines
- ▶ Universally recognized, commercial grade health standards
- ▶ On-demand access to health reports via eTACONIC® Platform

SUBJECT MATTER EXPERTS

Our PhD scientists have real-world experience in breeding and the use of animal models in research. They specialize in the generation and breeding of genetically engineered mice and rats.

- ▶ **Scientific Program Manager:** PhD scientists understand and identify project objectives, timeline, risks, and resources while ensuring plan is positioned to reach goals.
- ▶ **Project Manager:** Dedicated point of contact initiates, executes, and manages projects end-to-end with transparent communication at customized intervals.
- ▶ **Strategy Design Group:** Generates detailed Project Charters and contingency plans with itemized resources while managing risks to improve project outcome.

ELECTRONIC DATA MANAGEMENT

eTACONIC® Platform provides secure, on-demand access to project data and reports in real time across your organization while facilitating transparent, productive meetings with your dedicated Project Manager.

Principal Investigators

- ▶ Access and download detailed animal inventory
- ▶ Access project plans and status updates
- ▶ Easily view shipping reports and task lists
- ▶ Communicate with your Project Manager

Procurement Managers

- ▶ Historical spending reports
- ▶ Access and download detailed, organized animal inventory reports
- ▶ Compliments and enhances communication with your dedicated Project Manager

Outsourcing Managers

- ▶ Information continuity across projects, PIs, and time
- ▶ Single source of Taconic project records
- ▶ Build a repository of documents and reports

Veterinarians

- ▶ Immediate access to colony genetic and health reports
- ▶ Full transparency on adverse phenotype information

Get in touch with us for more information.

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Microbiome Research Services

Comprehensive gnotobiotic and custom microbiome solutions

The impact of the microbiome has redefined research and drug discovery. Taconic Biosciences® is leading the way as the sole provider of defined, proprietary, custom microbiome profiles via our TruBIOME® services.

GERM-FREE MODELS AVAILABLE

- ▶ BALB/c
- ▶ Black 6 (B6)
- ▶ Swiss Webster
- ▶ I110 Knockout

GERM-FREE SHIPPERS

- ▶ The trusted source for shipping germ-free models worldwide for over 20 years

APPLICABLE AREAS OF RESEARCH

- ▶ Microbiology
- ▶ Physiology
- ▶ Immunology
- ▶ Metabolism
- ▶ Oncology
- ▶ Central Nervous System Disorders
- ▶ Inflammatory Bowel Disease
- ▶ And more

THE TACONIC-BIOMODELS MICROBIOME INITIATIVE

The Taconic-Biomodels Microbiome Initiative (TBMI) is a unique collaboration of two service providers supporting gut microbiome research. Taconic Biosciences and Biomodels, LLC have come together to eliminate these barriers and enable investigators to bring to life their ideas and research into the impact of the microbiome on human health.

www.taconic.com/prepare-your-model/taconic-biomodels-microbiome-initiative/

SERVICES

- ▶ Germ-free rederivations
 - ▶ Generate or rederive any model as germ-free
- ▶ Custom Microbiota Associations
 - ▶ Use human samples or defined bacterial compositions to generate study cohorts
- ▶ TruBIOME® Services
 - ▶ Generate custom microbiota mouse models
 - ▶ Limit microbiome variability
- ▶ Taconic Microbiota Repository™
 - ▶ Wild Mouse microbiome
 - ▶ Altered Schaedler Flora
 - ▶ Check back for new additions!

EDUCATIONAL TOOLS

Taconic leverages decades of germ-free experience to provide researchers with key educational resources. From our “Veterinary Care of Germ-Free Mice” and “Microbial Monitoring of GF Isolators” webinars to dozens of Insight blogs and additional webinars covering the microbiome, Taconic provides educational online resources to empower microbiome research.

www.taconic.com/microbiome



The GEM Collection

A Taconic Biosciences Repository

Find your gene of interest in the GEM Collection —
A repository of genetically engineered models relevant to drug discovery

In collaboration with one of the world's largest pharmaceutical companies, Taconic now offers a growing collection of hundreds of proprietary Genetically Engineered Models (GEMs) exclusively to researchers worldwide.

Researchers studying functional and translational genetics benefit from the GEM Collection, as these models allow analysis of gene function in the context of the whole animal. The GEM Collection provides resources to study the effects of both loss (KO, cKO) and gain (Tg, TTG) of gene function.

BENEFITS

- ▶ Live mice available within 14-16 weeks from time of order (recovery from frozen sperm or embryos)
- ▶ Most lines are congenic on the C57BL/6NTac inbred background, which avoids time-consuming backcross steps
- ▶ Validated genotyping protocols are available for each line
- ▶ All GEM Collection models available for germ-free derivation

Coupled with Taconic's core capability of custom breeding, the GEM Collection can provide research labs with the animals they need to rapidly produce study data, without the additional work and cost of animal colony production and maintenance.

MODEL VALIDATION

These models have been carefully designed to obtain the optimal genetically engineered model for research. Having been validated by an industry leading pharmaceutical company, the GEM Collection allows researchers to skip the 1+ year timeline of model generation and development and quickly begin their studies.

This repository represents an opportunity for scientists to access a large collection of models that have been developed from years of genetic research.

Collectively, research from these models will provide valuable information on gene function that can impact human health.

CURRENTLY AVAILABLE MODELS

- ▶ Constitutive (KO) Knock Out
- ▶ Conditional (cKO) Knock Out
- ▶ Transgenic (Tg) Overexpressing Lines
- ▶ Constitutive Targeted Transgenesis (TTG)
- ▶ Conditional Targeted Transgenesis (cTTG)

*All models are available to both non-profit and for-profit institutions for internal research.

GETTING STARTED

Search: Visit [Taconic.com/find-your-model](https://taconic.com/find-your-model) to begin searching for your gene of interest.

View: Detailed allele diagrams for each line along with information about how it was generated.

Learn About: The terms of use, deliverables and timelines.

A GEM Collection cryorecovery from frozen germplasm is \$5,500 (€5,005) for academic and non-profit institutions and \$30,000 (€27,300) for for-profit institutions. Services such as rapid expansion and colony maintenance are available at additional cost.

Inquire today for a quote.

Health Standards

Health Quality Program

Taconic Biosciences® clear and harmonized health standards free you from time-consuming review of health reports from individual locations.

Simply determine which health standard meets your needs and order animals at that standard. There is no need to specify individual location or review colony health reports for most orders.

Taconic health standards are defined by exclusion lists and husbandry as well as testing methods and frequency. The standards can be grouped into barrier standards (with exclusion lists) and gnotobiotic isolator standards (in which all organisms in a location are known). A core list of rodent pathogens is excluded from all Taconic health standards.

BENEFITS

- ▶ Most available options for health standards among all vendors
- ▶ Only company to provide global harmonization of health standards and true gnotobiotic profiles

BARRIER HEALTH STANDARDS

Applied to the majority of animals produced by Taconic.

Murine Pathogen Free™ (MPF™)

Free of rodent pathogens. Appropriate for many types of experiments and may be preferred for certain immunological studies.

Restricted Flora™ (RF™)

Free of rodent pathogens and 5 select opportunistic pathogens. Taconic has phased out all commercial RF™ production in the US and Europe in favor of OF.

Opportunist Free™ (OF™)

Free of rodent pathogens and 6 select opportunistic pathogens.

GNOTOBIOTIC ISOLATOR STANDARDS

Applied to limited quantities of special purpose animals.

Defined Flora (DF)

Only permitted microorganisms are Altered Schaedler Flora, dimorphic yeast, mold, aerobic spore forming bacteria and anaerobic spore forming bacteria. No excluded pathogens are allowed. All organisms in isolator are known.

Germ Free (GF)

Devoid of all microorganisms, as determined within the limitations of the detection methods available, including bacteria, fungi, and viruses; they have no microbiome.

Health Standards

Continued

Agents	Murine Pathogen Free™ (MPF™)	Restricted Flora™ (RF™)	Opportunist Free™ (OF™)	Defined Flora (DF)	Germ Free (GF)
<i>Microorganisms</i>	Accepted?	Accepted?	Accepted?	Accepted?	Accepted?
Commensal Microflora					
Altered Schaedler Flora	Yes	Yes	Yes	Yes	No
Dimorphic Yeast	Yes	Yes	Yes	Yes	No
Mold	Yes	Yes	Yes	Yes	No
Aerobic spore forming bacteria	Yes	Yes	Yes	Yes	No
Anaerobic spore forming bacteria	Yes	Yes	Yes	Yes	No
Non-spore forming rod bacteria	Yes	Yes	Yes	No	No
Cocci bacteria	Yes	Yes	Yes	No	No
Viruses					
Kilham Rat Virus (KRV)	No	No	No	No	No
Minute Virus of Mice (MVM)	No	No	No	No	No
Mouse Encephalomyelitis Virus (TMEV/GDVII)/ Rat Theilovirus (RTV)	No	No	No	No	No
Mouse Hepatitis Virus (MHV)	No	No	No	No	No
Murine Norovirus (MNV)	No	No	No	No	No
Mouse Parvovirus (MPV)	No	No	No	No	No
Mouse Rotavirus (EDIM)	No	No	No	No	No
Pneumonia Virus of Mice (PVM)	No	No	No	No	No
Rat Coronavirus (RCV)/Sialodacryoadenitis Virus (SDAV)	No	No	No	No	No
Rat Minute Virus (RMV)	No	No	No	No	No
Rat Parvovirus (RPV)	No	No	No	No	No
Rat Polyomavirus 2 (RPyV2)	No	No	No	No	No
Rat Rotavirus (IDIR)	No	No	No	No	No
Toolan's H1 Virus (TH1)	No	No	No	No	No
Ectromelia Virus	No	No	No	No	No
Hantaan Virus	No	No	No	No	No
K Virus	No	No	No	No	No
Lymphocytic Choriomeningitis Virus (LCM)	No	No	No	No	No
Mouse Adenovirus I and II (FL and K87)	No	No	No	No	No
Mouse Cytomegalovirus (MCMV)	No	No	No	No	No
Mouse Kidney Parvovirus (MKPV)	No	No	No	No	No
Polyoma Virus (mouse)	No	No	No	No	No
Reovirus (Reo 3)	No	No	No	No	No
Sendai Virus	No	No	No	No	No
Thymic Virus	No	No	No	No	No
Lactate Dehydrogenase Elevating Virus (LDHV)	No	No	No	No	No
Bacteria, mycoplasma, fungi					
Beta hemolytic Streptococcus (non Group D)	Yes	No ¹	No ¹	No	No
Bordetella bronchiseptica	No	No	No	No	No
Citrobacter rodentium	No	No	No	No	No
Clostridium piliforme	No	No	No	No	No
Corynebacterium bovis	No	No	No	No	No
Corynebacterium kutscheri	No	No	No	No	No
Dermatophytes	No	No	No	No	No
Filobacterium rodentium (CAR Bacillus)	No	No	No	No	No
Helicobacter spp.	No	No	No	No	No
Klebsiella oxytoca	Yes	No ¹	No ¹	No	No
Klebsiella pneumoniae	Yes	No ¹	No ¹	No	No
Mycoplasma pulmonis	No	No	No	No	No
Pasteurella multocida	No	No ¹	No ¹	No	No
Pneumocystis spp.	No	No	No	No	No
Proteus spp.	Yes	Yes	No ¹	No	No
Pseudomonas aeruginosa	Yes	No ¹	No ¹	No	No
Rodentibacter heylii	No	No	No	No	No
Rodentibacter pneumotropicus	No	No	No	No	No
Salmonella spp.	No	No	No	No	No
Staphylococcus aureus	Yes	No ¹	No ¹	No	No
Streptococcus pneumoniae	No	No	No	No	No
Streptobacillus moniliformis	No	No	No	No	No
Parasites					
Endoparasites	No	No	No	No	No
▶ Encephalitozoon cuniculi	No	No	No	No	No
Ectoparasites	No	No	No	No	No
Enteric Helminths	No	No	No	No	No

¹When detected, this organism will be eliminated from the Barrier Unit via a test and cull procedure or recycling of the colony.

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Health Standards

Continued

International Health Monitoring System™ (IHMS™)

Testing frequency, methodology, and sample number is based on an assessment of biosecurity and risk level, and varies depending on whether the location uses static or individually ventilated caging (IVC) or is isolator-raised. Taconic has transitioned all OF™ production locations in the US and Europe to IVCs. IVCs are more biosecure, but pose some diagnostic challenges, which Taconic addresses through additional testing elements. Taconic has designed a multifaceted testing program in which agents of highest concern are screened using different methodologies to increase the likelihood of accurate and rapid detection.

a different test methodology from the core testing program to enhance the overall detectability of key agents and is designed to address the challenge of animal health monitoring in IVCs.

CORE TESTING PROGRAM

Predominantly sentinel-based health testing comprised of virus detection, full bacteriology, and parasitology. Core testing occurs in ALL Taconic production locations. Agents are typically tested quarterly in gnotobiotic isolators (GF/DF standards) and IVC locations (most RF™, OF™ colonies) or monthly (static cage RF™ colonies), but this varies by agent.

IVC EXHAUST AIR DUCT TESTING

Screening of the exhaust air from IVC cages to provide a snapshot of all cages on a rack. This method is particularly well suited to detection of certain agents. PCR testing is performed on total nucleic acids extracted from the exhaust air duct (EAD) filter on each IVC rack. This testing is performed quarterly on each rack.

OPPORTUNIST SCREENING

Monthly culture-based screening to detect non-tolerated opportunists at the RF™ and OF™ standards.

ISOLATOR MICROBIAL MONITORING

Culture-based screening to detect bacterial and fungal contamination of gnotobiotic isolators (aerobic and anaerobic culture).

IVC PCR TESTING

Additional cage level testing of line animals via PCR in locations using IVC housing. This added screening uses

BACTERIA 16S rRNA GENE SCREENING

16S PCR screening in Germ Free isolators to detect bacterial rRNA genes. Testing is performed on pooled fecal samples from each isolator on a monthly basis.

NEED HELP CHOOSING THE RIGHT HEALTH STANDARD FOR YOUR RESEARCH?

Check out our health standard selector at: taconic.com/health-selector

IHMS™ TESTING AND HEALTH STANDARDS

	Core Testing Program	Opportunist Screening	IVC PCR Testing	IVC Exhaust Air Duct Testing	Isolator Microbial Monitoring	Bacteria 16S rRNA Gene Screening
MPF™ (open top caging locations)	Yes	N/A	N/A	N/A	N/A	N/A
MPF™ (IVC locations)	Yes	N/A	Yes	Yes*	N/A	N/A
RF™ (static caging locations)	Yes	Yes	N/A	N/A	N/A	N/A
RF™, OF™ (IVC locations)	Yes	Yes	Yes	Yes*	N/A	N/A
DF	Yes	N/A	N/A	N/A	Yes	N/A
GF	Yes	N/A	N/A	N/A	Yes	Yes

* Not all IVC racks are compatible with exhaust air duct (EAD) filters. Where possible, EAD filters will be installed and tested, but some locations will not perform this testing due to the rack-filter incompatibility.

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Genetic Integrity and Model Harmonization

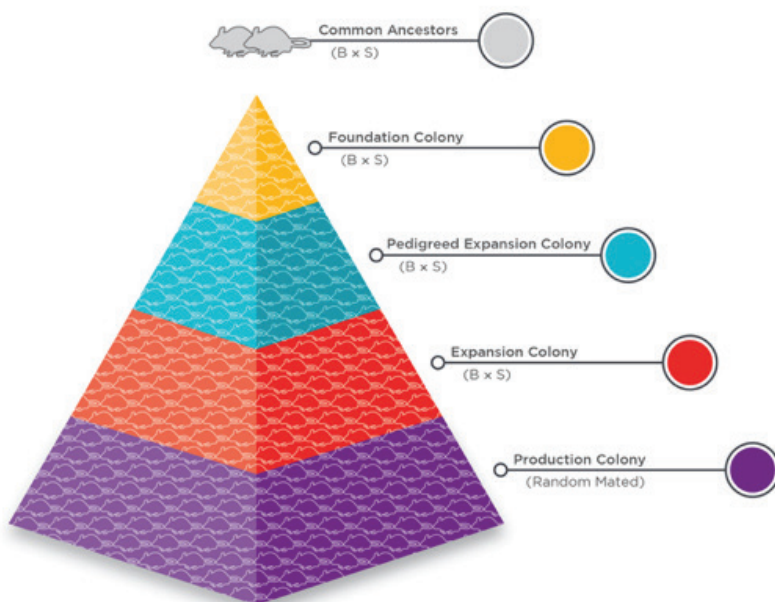
Taconic's pledge to provide laboratory mice and rats of the highest possible health integrity is only part of our overall quality commitment to our customers.

Taconic likewise has in place major quality-control programs in genetic integrity and strain harmonization. These two programs ensure, respectively, that our animals are genetically pure and that animals obtained from one Taconic site are as closely related as possible to those obtained from other Taconic sites. Our Genetic Monitoring and Colony Harmonization Programs allow us to achieve these two fundamental quality-control goals.

COLONY HARMONIZATION PROGRAM

Inbred Strains:

The typical structure of breeding colonies for inbred strains of mice and rats at Taconic can be represented as a pyramid. The colonies are designed to avoid accidental crossbreeding, to minimize genetic drift, and to prevent the development of potentially genetically distinct sub-strains. At the top of the pyramid is the relatively small Foundation Colony (FC), shown here as being derived from a pair of genetically tested Common Ancestors. At the base



of the pyramid is the large Production Colony (PC), and in between are the two types of expansion colonies, the Pedigreed Expansion Colony (PEC) and the Expansion Colony (EC).

The FC is the only self-perpetuating colony (i.e. it produces its own new breeders), is cryorecovered from frozen embryos, and all matings are brother x sister (BxS). The Pedigreed Expansion Colony is an extension of the Foundation Colony and receives all of its breeders from it; all matings in the PEC are also BxS. The PEC produces breeders for the Expansion Colony (EC), where Taconic once again utilizes BxS matings. The EC produces breeders for the Production Colony (PC), where random mating is utilized to scale up breeding for production of animals that will be shipped to customers. Consequently, inbred mice or rats obtained from Taconic's Germantown PC are in most cases not more than five BxS generations removed from the Foundation Colony.

This standard pyramid management plan, when strictly adhered to, minimizes the risk of genetic drift even when multiple PCs are maintained at geographically distinct production sites. This strain harmonization is evident for all Taconic production sites. Each site has its own PEC, but standard operating procedures require that the site receive a new PEC from the Germantown FC every two years (approximately every four generations). Thus, no animal supplied from Taconic production sites can be more than 10 BxS generations removed from the strain's current Foundation Colony.

The pyramid colony-management program, combined with these geographic harmonization practices, assures Taconic's customers, for example, that a C57BL/6NTac mouse purchased from our Indiana production facility is as similar as is possible to a C57BL/6NTac mouse purchased from all other Taconic production facilities worldwide.

Outbred Stocks:

For outbred stocks it is imperative to preserve the heterozygosity of the model. In order to do that Taconic breeds its outbred stocks following the Pooley system (Pooley, Proc. Anim. Care Panel, 1960). This breeding system minimizes the set-up of genetically related individuals and maintains the heterozygosity of the colony. Taconic has harmonized the source and

Genetic Integrity and Model Harmonization

Continued

production of its outbred stocks globally, so that they all have the same level of heterozygosity. This is monitored on a yearly basis by SNP testing, monitoring that heterozygous markers are maintained and that gene frequencies are similar across all breeding colonies globally.

GENETIC MONITORING PROGRAM

Genetic monitoring is key to quality control of the breeding and production of inbred and transgenic lines of laboratory mice and rats. Taconic has established numerous production procedures that minimize the risk of genetic contamination. Our Genetic Monitoring Program is grounded in the identification of points in the production program where there is a higher risk of an undetected accidental mating or strain misidentification. By focusing genetic screening methods on these critical high-risk points, while scrutinizing quality control throughout, a genetic monitoring program can prevent a single mistake from becoming catastrophic.

Taconic's overall Genetic Monitoring Program is based on a combination of four strategies:

1. Visual characteristics of strains (most notably, coat color)
2. Production procedures that minimize co-localization and/or movement of strains of similar colors and that promote careful record keeping and strain segregation
3. Standard operating procedures outlining DNA-based marker and/or protein testing of animals at specific, defined, potentially risky points in the production process.
4. A dedicated new personnel training program and frequent continued training sessions. Taconic's operational personnel are trained in procedures designed to minimize risk for genetic integrity breaks. Personnel are trained to recognize and report potential procedural deviations immediately to eliminate the risk of a genetic integrity break.

CRYOPRESERVATION OF TACONIC STRAINS

To avoid genetic drift, Taconic has cryopreserved embryos from its standard strains and stocks. Taconic refreshes all inbred stocks every 5 years or 10 generations, whichever comes first.

TACONIC PRODUCTION HARMONIZATION

- ▶ **Inbred Production:** Taconic has only one Foundation Colony that provides breeders to all subsequent colonies, including all global partners. This assures that all animals produced by Taconic and its partners are genetically harmonized.
- ▶ **Outbred Stocks:** All outbred stocks originate from a nucleus stock and are bred following Poiley's outbred breeding scheme.

GENETIC TESTING PROGRAM

Taconic currently uses Single Nucleotide Polymorphisms (SNPs) and genotyping in its Genetic Monitoring Program to monitor genetic background. More specifically, the program uses the Illumina platform and has developed several SNP Panels for Genetic Monitoring of rats and mice, including a 2050 SNP Panel that differentiates among the most used inbred strains, a 257 SNP Panel that differentiates among C57BL/6NTac, C57BL/6J and C57BL/6JBomTac substrains, and a rat SNP Panel with over 750 SNP markers that can be used for speed congenic backcrosses in addition to strain background characterization. Taconic also uses genotyping through Taqman PCR, qPCR or capillary electrophoresis PCR, and in some cases phenotyping data (flow cytometry) to verify that the pertinent protein is made.

Inbred Strains:

- ▶ **Foundation Colonies:** All Foundation Colonies are characterized with SNP marker Panels: 2050 SNP markers for mice and 759 SNP markers for rats. The SNP profile obtained is compared and verified with the line's historical information.

Genetic Integrity and Model Harmonization

Continued

- ▶ **Genetic Monitoring Program:** A genetic monitoring program tests a subset of breeders to verify genetic quality. This testing is performed on a monthly basis and it is reported on our website. The SNP Panel used for this is a 98 SNP Genetic Monitoring panel that distinguishes among all the genetic backgrounds Taconic produces. In addition, inbred strains are assessed using the 2050 SNP panel on a yearly basis.
- ▶ **Genotyping:** In addition to genetic background monitoring, if the inbred strain carries a spontaneous mutation, its presence is verified.

Outbred Stocks:

- ▶ **Genetic Monitoring Program:** All of Taconic's outbred stocks are tested at least once a year or, if there is genetic risk, more often. Genetic monitoring SNP Panels for mice and rats (98 SNPs for mice, 96 SNPs for rats) are used to monitor the level of heterozygosity, allele frequencies and inbreeding coefficient of all the SNPs within the different colonies and ensure those parameters are consistent for the various colonies of each outbred line. This monitoring is designed to detect and limit inbreeding of the colony and signal the need to refresh from cryopreserved material.
- ▶ **Genotyping:** In addition to genetic background monitoring, if the outbred stock carries a spontaneous mutation, its presence is verified.

GENETICALLY ENGINEERED MODELS

- ▶ **Bringing a New GEM into Taconic:** When a new model is brought to Taconic for commercial distribution, all genetic documentation is verified:
 - ▶ **Genetic background:** SNP profile characterization
 - ▶ **Generation number:** Historical information of matings including backcrosses and intracrosses

- ▶ **Type of genetic modification:** Targeted mutagenesis, CRISPR/Cas 9 modifications and random transgenic
- ▶ **Adverse phenotypes:** History of adverse phenotypes
- ▶ Other characteristics
- ▶ **Colony Breeding:** During barrier production the model is mated using the most efficient mating format in order to comply with the 3Rs (Replacement, Reduction and Refinement)
- ▶ **Genotyping and Genetic Background Testing**
 - ▶ All GEM models commercially available have a defined SNP profile in order to characterize the genetic background of the model.
 - ▶ Genotyping includes testing for the mutation, determination of the mutation zygosity if it is a transgene, and verification of protein expression in some models.

GENETIC AUDITS

All colonies maintained at Taconic are subject to periodic genetic audits. The audit process has two levels: operational level auditing and data monitoring. In operational auditing, inventories will be audited. The data monitoring involves project-specific clinical, genetic and breeding data collection and subsequent analysis by scientists in Taconic's Genetics Department.

GENETIC MONITORING REPORTS

For each commercial colony the frequency and number of samples tested is dependent on the risk of genetic integrity break at each location. Colonies with no risk for a break in genetic integrity are tested at least yearly. Colonies at highest risk are tested monthly.

Animal Genotype Codes

Taconic Genotype Code	Interpretation	Taconic Abbreviation
wt/wt	wild type	WT
ko/wt	heterozygous knockout allele	HET
ko/ko	homozygous knockout allele	HOM
ki/wt	heterozygous knock-in allele	HET
ki/ki	homozygous knock-in allele	HOM
hu/wt	heterozygous humanized allele	HET
hu/hu	homozygous humanized allele	HOM
fl/wt	heterozygous allele flanked by recombination sites	HET
fl/fl	homozygous allele flanked by recombination sites	HOM
tm/wt	heterozygous targeted allele	HET
tm/tm	homozygous targeted allele	HOM
tg/wt	heterozygous random transgene	HEMI
tg/tg	homozygous random transgene	HOM
tg/?	random transgene: unknown whether present as heterozygous or homozygous	CAR
*/y	hemizygous allele (any allele on X chromosome)	HEMI
ko1/ko2	knockout1/knockout2 alleles (two different knockout alleles)	COMP
ki1/ki2	knock-in1/knock-in2 alleles (two different knock-in alleles)	COMP
hu1/hu2	humanized1/humanized2 alleles (two different humanized alleles)	COMP
fl1/fl2	flanked1/flanked2 alleles (two different flanked alleles)	COMP
ko/tm	knockout/targeted alleles	COMP
ki/ko	knock-in/knockout alleles	COMP
ki/tm	knock-in/targeted alleles	COMP
hu/ko	humanized/knockout alleles	COMP
hu/ki	humanized/knock-in alleles	COMP
hu/tm	humanized/targeted alleles	COMP
fl/ko	flanked/knockout alleles	COMP
fl/ki	flanked/knock-in alleles	COMP
fl/hu	flanked/humanized alleles	COMP
fl/tm	flanked/targeted alleles	COMP
ko_tm/wt or ko_fl/wt or ko_ki/wt or ko_hu/wt	heterozygous knockout allele, with residual presence of targeted, flanked, knock-in or humanized allele due to incomplete deletion	INCHET
ko_tm/ko_tm or ko_fl/ko_fl or ko_ki/ko_ki or ko_hu/ko_hu	homozygous knockout allele, with residual presence of targeted, flanked, knock-in or humanized allele due to incomplete deletion	INCHOM
ki_tm/wt or ki_fl/wt	heterozygous knock-in allele, with residual presence of targeted or flanked allele due to incomplete deletion	INCHET
ki_tm/ki_tm or ki_fl/ki_fl	homozygous knock-in allele, with residual presence of targeted or flanked allele due to incomplete deletion	INCHOM
hu_tm/wt or hu_fl/wt	heterozygous humanized allele, with residual presence of targeted or flanked allele due to incomplete deletion	INCHET
hu_tm/hu_tm or hu_fl/hu_fl	homozygous humanized allele, with residual presence of targeted or flanked allele due to incomplete deletion	INCHOM
fl_tm/wt	heterozygous allele flanked by recombination sites, with residual presence of targeted allele due to incomplete deletion	INCHET
fl_tm/fl_tm	homozygous allele flanked by recombination sites, with residual presence of targeted allele due to incomplete deletion	INCHOM
enu/wt	heterozygous chemically induced mutant allele	HET
enu/enu	homozygous chemically induced mutant allele	HOM
sp/wt	heterozygous spontaneous mutation	HET
sp/sp	homozygous spontaneous mutation	HOM

Notes:

fl "flanked allele" describes alleles flanked by recombination sites, such as loxP or FRT sites.

Get in touch with us for more information.

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Animal Shipping Products

Taconic's animal shipping products are available to our clients for their own use.

TACONIC TRANSIT CAGE™

Taconic ships its mice and rats in the sterilized TTC™. This includes packing the animals within their respective barrier colonies thereby minimizing the risk that a pathogenic contamination may occur between the animal's barrier environment and your receiving area. Commercial mice and rats are packed in the TTC™ in accordance with prescribed densities.

The Taconic Transit Cage™ (TTC™) provides the optimal shipping environment for today's sophisticated rats and mice. Taconic uses the TTC™ for its own commercial animal shipments and makes it available to you for your own shipment needs.

Features of the TTC™:

- ▶ The outside dimensions are 22" (long) by 16" (wide) by 7" (deep).
- ▶ The top rim of the lid is recessed, allowing for easier removal.
- ▶ Ribs are extended making it easier to insert and remove dividers.
- ▶ A bar below the tie holes makes it easier to access for cutting.
- ▶ The Taconic Transit Cage™ (TTC™) is designed and constructed to afford the utmost safety and security for delivery of animals. Field tests have proven that the TTC™ is capable of protecting mice and rats from contamination by murine viruses. The cage and lid are constructed of a variety of molded plastics for high durability and resistance to gnawing by rodents.
- ▶ Sloped sides, stacking mounts and air vents on the sides and lid allow sufficient air flow around the cage for proper ventilation. The filter material is spun-bonded polypropylene media which provides optimum strength; the continuous filaments in the media prevent tearing and slipping. All materials are autoclavable and washable in high temperature cage washers.
- ▶ The TTC™ is easily opened by lifting the lid upward from the front handle.

- ▶ Security ties ensure that the cage is not opened during transit.

DIVIDERS

Dividers are available and can be used to easily divide the TTC™ into 2, 3, or 4 compartments.

THE GERM-FREE SHIPPER

Taconic has designed and constructed a germ-free shipper for delivery of germ-free animals. These animals are devoid of all microorganisms (as determined within the limitations of the detection methods available), including bacteria, fungi and viruses. The germ-free shipper preserves the germ-free health status of the animals during shipping.

The germ-free shipper is a large, flexible vinyl sleeve with filtered openings and an accompanying case. The sleeve measures approximately 12 inches in diameter and 3.5 feet in length. Up to three animal cages (11.5" x 7.5" x 5") can fit in the sleeve.

NUMBER OF MICE PACKED PER GERM-FREE SHIPPER

Up to three animal cages (11.5" x 7.5" x 5") can fit in the sleeve of a germ-free shipper.

- ▶ 24 at 3-4 weeks (8 per cage)
- ▶ 21 at 5 weeks (7 per cage)
- ▶ 21 at 6 weeks (7 per cage)
- ▶ 18 at 7 weeks (6 per cage)
- ▶ 15 at 8 weeks and older (5 per cage)

HOW TO USE A GERM-FREE SHIPPER

Need further instructions? Refer to [our website](#) for information on how to place animals into or remove animals from a germ-free shipper.

Get in touch with us for more information.

US: 1-888-822-6642 | EU: +45 70 23 04 05 | INFO@TACONIC.COM

Animal Shipping Products

Continued

TACONIC TRANSIT CAGE™ PRICING

Item Number	Description	Price (\$/€)
TTC-CLR-LOW	TTC™ with Standard Low Lid	\$58.00 €59.00
TTC-CLR-HIGH	TTC™ with High Lid	\$58.00 €59.00

TACONIC TRANSIT CAGE™ PARTS

Item Number	Description	Price (\$/€)
LABL0095-ASM	Live Animal Labels (pkg of 20)	\$17.00 €15.00
SHIP0385	Gel Pouch (8 ounces)	\$9.00 €16.00
TTC0140	Plastic Dividers for Low Lid	\$9.00 €10.50
TTC0130	Plastic Dividers for High Lid	\$9.00 €10.50
SHIP0315	Security Ties (pkg of 100)	\$14.50 €12.50
TTC0250	Cage Bottom	\$25.00 €28.00
TTC0310	Standard Low Lid	\$26.00 €28.00
TTC0280	High Lid	\$26.00 €28.00
SHIP0600	25 Gel Packs (250 grams each)	\$255.00 €255.00

GNOTOBIOTIC EQUIPMENT PRICING

Item Number	Description	Price (\$/€)
SHIP0695	Germ-free Shipper	\$930.00 €860.00
SHIP-GF-SHIPPER	Germ-free Shipper when shipped with Taconic germ-free animals	\$486.00 €404.00

Get in touch with us for more information.

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Ordering Information

Ordering Taconic Products

SHIPMENT CONTAINERS

Rat and mouse models are packed in their barrier unit of origin or laminar flow hoods and shipped in sterilized Taconic Transit Cages™ (TTC™) with a food and hydration source.

Germ-free animals are packed in special germ-free shippers.

ORDERS REQUIRING ANIMALS OF A SPECIFIC WEIGHT

Mice and rats can lose up to 10% of their body weight in transit, however after 48 hours acclimation most models can be expected to regain any weight lost in shipment.

Taconic will select animals within a typical weight range for its corresponding age at no additional charge. Weight charts are provided as a guide.

All weights are weights at the time of packing.

Orders for specific weight spans take additional time to select and pack and as such will be assessed a nominal fee of \$3.37 or €3.43 per animal.

Mice can be ordered with a minimum 3 gram span (i.e. 10-13 grams) and rats with a minimum 15 gram span (i.e. 200-215 grams).

Taconic cannot accommodate orders for cagemates with a weight specification.

ORDERS REQUIRING ANIMALS FROM A SPECIFIC SOURCE LOCATION

Taconic will select animals from a production location based on availability and to best utilize the animals produced. Location-specific requests result in less efficient use of available inventory and thus greater animal obsolescence (waste) and increased production costs. Taconic is committed to the 3Rs, and we encourage customers to allow Taconic to select the source location of requested animals in order to reduce animal obsolescence. Location-specific sourcing requests will be assessed a fee of \$3.37 or €3.43 per animal.

BIRTH DATES

Week of birth and source location are provided on shipping labels. For exact “date of birth” requests on standard strains and stocks, place orders prior to the needed birth date.

Week of birth (Date of birth +/- 3 days): No Charge

Exact date of birth: \$6.87 or €9.16 per animal for Murine Pathogen Free™ standard strains and stocks. Please inquire for pricing for other models or health designations. Lead time is required.

Taconic may combine animals from different weeks of birth in a single Taconic Transit Cage™ unless otherwise requested at time of order. Additional fees may apply for packing animals by week of birth.

RETIRED BREEDERS

Orders for retired breeders are filled from live breeding colonies. As such, female retired breeders may be pregnant at time of shipment.

Taconic may be able to fill requests for guaranteed non-pregnant retired breeders; this would be at a higher price than the posted retired breeder price.

Retired breeders will vary in age and are sourced both from older animals at the end of their scheduled breeding time as well as younger breeders which are non-productive. It is not possible to request retired breeders of a specific age. Information on the specific week of birth is not available for retired breeders, but a month of birth can be provided upon request.

FEMALES WITH LITTER

Taconic offers female breeders with litters for some lines. Pups must be at least 7 days old at time of shipping. Note that most lines are harem bred. Female with litter orders are filled using litters from Production Colony breeders. In most cases, the litter is selected and shipped with a female breeder from the same box. This is a lactating female, but is not necessarily the biological dam for that litter. In some cases, litters are selected and shipped with a lactating female from another breeding box. Requests for females with litters using the biological dam cannot be accommodated for all lines; when biological dams are requested, this may limit the size of litters and require an additional fee.

Get in touch with us for more information.

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Ordering Information

Ordering Taconic Products (Cont.)

PREGNANT MICE AND RATS

Taconic's breeding specialists use proven, highly effective procedures to generate timed pregnant mice and rats. While gestational age cannot be determined with total precision, strict adherence to pre-defined mating procedures, and close monitoring of female mice and rats after they are co-housed with males, can accurately define the 24-hour period during which mating, and presumably, conception occurs.

Procedures

At Taconic, the day of sperm cell detection in females is called the sperm-positive date and is considered Day 1 of gestation.

After co-housing females with males the prior day, Taconic technicians take vaginal swabs of females between 7 and 10 a.m. daily or do plug checks, depending on the model to confirm that mating has occurred. In Murine Pathogen Free™ SD rats an impedance meter is used. This procedure assumes that timed-pregnant females have mated and conception has occurred from 0 to 24 hours before the designated sperm-positive date.

Presumably, the majority of matings occur around the midpoint of the previous day's dark cycle, from 6 P.M. to 6 A.M.

When investigators order timed pregnant animals at a specified developmental age for delivery on a specific date, Taconic technicians select animals based on the sperm-positive date. For instance, for an order for rats bearing embryos at Day 15 of gestational age for delivery on January 15, Taconic would select timed pregnant females with a sperm-positive date of January 1.

Since Taconic's method for selecting timed pregnant females results in full-term pregnancies with a high success rate as evidenced by the chart below, extra mice and rats are not supplied with each order. However, spontaneous abortions and small litters do occur on occasion. In addition, animals under 14 days do not allow for a visual confirmation of pregnancy and cannot be palpated to confirm pregnancy. When expending considerable time and resources to prepare for a study using timed pregnant mice or rats on a specific day, and especially when requiring a specific number of pups to be born on a particular day or

using a small number of dams or fetuses, please be sure to order additional animals. Please see the chart in next column to assist in determining the appropriate number of animals to order for your study.

Tips for Ordering

Specify the sperm-positive date when ordering timed pregnant models.

Taconic advises customers to order extra timed pregnant animals to prevent any potential issues.

Pregnant Animal Recommendations and Policies

Taconic's Timed Pregnant Sprague Dawley rats exhibit greater than 95% accuracy for timing of gestational age. Taconic recommends orders for pregnant mice be less than 18 days gestation, and orders for pregnant rats be less than 19 days in order to prevent the animals from delivering in transit.

EXPECTED SUCCESS RATES FOR TIMED PREGNANT ANIMALS

Model Type	Under 14 days Gestation	14+ days Gestation
SD Rats	95%	100%
Outbred Mice	75%	100%
Inbred Mice	60%	75%

If problems arise regarding gestational age or pregnancy with timed pregnant orders, customers should immediately contact Taconic's Customer Service Department to provide information regarding the number of animals involved and how non-pregnancy or mistiming was determined. Whenever possible, necropsy information and pictures should be provided to assist complaint investigations for a root cause. Taconic will issue the appropriate credit based on our investigation.

All untimed pregnant orders are filled using visibly pregnant females selected from Production Colony breeders. Customers should be aware that untimed pregnant mice and rats may deliver their litters while in transit and that no assurances are given regarding the size of the litter.

Get in touch with us for more information.

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Cancellation and Change Order Policy

Orders can be canceled or changed up to the cutoff time listed. Be sure to cancel an order prior to the cutoff time or cancellation fees up to the entire price of the order will be applied.

Order Type	Cutoff day/time
Standard Strains and Stocks	Orders from US production sites: By 6 p.m. ET, two business days prior to ship date Orders from European production sites: By 3 p.m. CET, two business days prior to ship date
Standard Immunodeficients	
Special Setups, Exact Date of Birth and Timed Pregnant Orders	Before breeders are setup or isolated
Germ-Free Models	2 weeks prior to ship date
Diet-Induced Mice	4 weeks prior to ship date
Live Genetically Engineered Models (GEMs)	4 weeks prior to ship date
Humanized Immune System Mice	4 weeks prior to ship date
Surgically Modified Models	By 3 p.m. ET, two business days prior to animals transfer to surgery location
Aged Animals 13 weeks	Prior to animals reaching 13 weeks of age
Rederivations and Cryopreservation	Prior to initiation of the service
Genetic Analysis	Prior to receipt of samples
Animal Health Testing	Prior to receipt of samples
Colony Management Projects	Project may be canceled at any point prior to or during project execution
Custom Microbiome Projects	Prior to project initiation
Murine Biospecimens	Prior to project initiation

Terms and Conditions

for Taconic Models, Products and Services

DEFINITIONS

“CUSTOMER” means each recipient of MODELS, PRODUCTS, OR SERVICES provided by TACONIC BIOSCIENCES, INC. (“TACONIC”) including all institutions (including for-profit and not-for-profit entities) and the respective employees, agents and other researchers under the institution’s direction or control.

“MODEL(S)” means lines of mice and rats supplied by TACONIC, their progeny obtained by breeding, crossbreeding, or any other means of propagation, and further includes any biological materials and/or derivatives of any MODEL.

“PRODUCT(S)” means biological materials and their derivatives supplied by TACONIC.

“SERVICE(S)” means projects conducted by TACONIC for a CUSTOMER.

CONDITIONS OF USE

CUSTOMER shall not use MODELS or PRODUCTS for any purpose other than research. CUSTOMER shall not sell or transfer MODELS or PRODUCTS to any third party without the prior written permission of TACONIC. In addition, special terms and conditions applicable to certain MODELS, PRODUCTS, and SERVICES are set forth separately in the TACONIC webpages, catalogs, price lists, contracts, or other documents. CUSTOMER agrees to be bound by all terms and conditions applicable to a specific MODEL, PRODUCT or SERVICE.

CUSTOMER must adhere to acceptable standards for the humane care and use of animals and have the appropriate animal care and use policies in place. CUSTOMER shall ensure that all MODELS in their possession will be cared for, handled, used, stored, and disposed of in accordance with any and all applicable international, federal, state, and local laws, statutes, regulations, and/or guidelines, including but not limited to the Public Health Service Policy on Humane Care and Use of Laboratory Animals.

LIMITED WARRANTY FOR MODELS, PRODUCTS OR SERVICES

TACONIC represents and warrants that at the time of delivery the ordered MODEL shall conform to

the model number, genotype, and sex listed on the Taconic packing list delivered with such MODEL. CUSTOMER shall visually inspect each MODEL upon receipt to confirm the number and sex of MODEL received, and to visually determine any health or other issue which can be noted visually. Any health issue or issue which can be noted upon visual inspection shall be reported to TACONIC in writing within three (3) business days following delivery of a MODEL. If no written notice stating a health or quality control problem is provided within said three business-day time period, then each MODEL shall be deemed accepted in this regard. In addition, CUSTOMER shall inspect each MODEL during the thirty (30) daytime period following delivery and shall provide written notice to TACONIC stating any other reasons for rejection of a MODEL. If no written notice stating any other reason for rejection is provided within said thirty-day time period, then each MODEL shall be considered fully accepted. In the event of any rejection of a MODEL for a valid reason, CUSTOMER’s sole remedy and TACONIC’s exclusive liability shall be, at TACONIC’s option, either the replacement of the rejected MODEL or a refund of the fee paid for the MODEL.

CUSTOMER shall inspect each PRODUCT during the thirty (30) day time period following delivery and shall provide written notice to TACONIC stating any reason for rejection of a PRODUCT. In the event of rejection of a PRODUCT for a valid reason, CUSTOMER’s sole remedy and TACONIC’s exclusive liability shall be, at TACONIC’s option, either the replacement of the rejected PRODUCT or a refund of the fee paid for the PRODUCT.

TACONIC warrants that it will perform each SERVICE with due care and in accordance with agreed-upon protocols or if no protocols are specifically agreed upon then in accordance with TACONIC’s standard protocols for the SERVICE being provided. CUSTOMER shall review all SERVICES promptly following the report regarding the SERVICE is delivered to CUSTOMER. In the event of dissatisfaction, CUSTOMER shall provide written notice to TACONIC within thirty (30) days after the date that the report regarding the SERVICE is delivered to CUSTOMER. In the event that CUSTOMER provides a valid reason for dissatisfaction, TACONIC will, at its option, either re-perform the SERVICE or refund the fee paid for the SERVICE, and this shall be exclusive remedy of CUSTOMER.

Terms and Conditions

Continued

STANDARDS OF ANIMAL CARE

TACONIC represents that it shall maintain standards of animal care that meet or exceed those required by applicable local, national, or international laws and regulations. Animals are regularly monitored for signs of ill health or distress and veterinary care is available at all times while the animals are housed at TACONIC. Animal procedures are evaluated by veterinarians and TACONIC's IACUC or equivalent oversight body to ensure elimination or minimization of the potential for pain or distress. All employees involved in the care, welfare, and use of animals are trained to ensure that they are competent in the care of the animals and in the performance of procedures, including an understanding of the ethical issues involved in the use of animals and that all animals in their care must be treated respectfully and humanely.

ANTI-BRIBERY AND ANTI-CORRUPTION

TACONIC represents and warrants that is licensed, registered, or qualified under applicable local law, regulations, policies, and administrative requirements to do business and, to the extent required by applicable law, has obtained licenses, consents, authorizations or completed such registrations or made such notifications as may be necessary or required by law to provide the PRODUCTS, MODELS or SERVICES. TACONIC, including its directors, officers, employees and affiliates, complies with all applicable local, national, and global laws (such as the U.S. Foreign Corrupt Practices Act) regulating bribery and corruption. TACONIC has not and will not directly or indirectly make, promise, pay, offer, or authorize the payment of money, or anything else of value, to improperly or corruptly influence any government official or any other person or entity in order to gain an improper business advantage, and, has not accepted, and will not accept in the future, such a payment.

NO OTHER WARRANTY

MODELS, PRODUCTS, AND SERVICES ARE PROVIDED "AS IS." TACONIC EXTENDS NO WARRANTIES OF ANY KIND, EITHER EXPRESS, IMPLIED OR STATUTORY WITH RESPECT TO MODELS, PRODUCTS, AND SERVICES. TACONIC DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTIES OF NON-INFRINGEMENT OF PATENT, TRADEMARK OR OTHER INTELLECTUAL PROPERTY RIGHTS.

LIMITATIONS OF LIABILITIES

In no event shall TACONIC, including its directors, officers, employees and affiliates, be liable for any cause of action or for damages (including any direct, indirect, special, incidental, consequential, exemplary, or punitive damages) arising out of MODELS, PRODUCTS or SERVICES, and further shall not be liable for any economic damage, injury to property or lost profits, whether based upon warranty, contract, tort, strict liability or otherwise, even if TACONIC has been advised of the possibility of such damages or losses.

INDEMNIFICATION

Unless prohibited by law, CUSTOMER expressly releases and discharges TACONIC from all causes of action or damages arising from purchasing or receiving MODELS, PRODUCTS, or SERVICES from TACONIC, and further agrees to defend and indemnify TACONIC from any costs or damages arising out of any third-party claims based upon CUSTOMER's breeding, possession and/or use of MODELS, PRODUCTS or SERVICES.

Terms and Conditions

Continued

DELIVERY

MODELS or PRODUCTS are shipped to CUSTOMER's facility by TACONIC's contracted carrier. Risk of loss is governed by TACONIC's LIMITED WARRANTY FOR MODELS, PRODUCTS or SERVICES, and title passes at the point of delivery to CUSTOMER's facility. If at any point during the shipping and delivery process, the MODELS or PRODUCTS are delivered to CUSTOMER's carrier or a common carrier arranged by CUSTOMER, then risk of loss and title to the MODELS or PRODUCTS will pass to CUSTOMER once delivered to CUSTOMER's carrier or the common carrier, as applicable. CUSTOMER shall pay all applicable container, packing, freight, insurance, and boarding fees, and also all customs, import, transaction, or other fees.

In order to assure animal welfare, TACONIC will occasionally reschedule shipments of MODELS due to extreme weather conditions. In such situations, TACONIC will contact CUSTOMER to inform them of the shipping embargo and discuss options to schedule a new shipment.

GOVERNING LAW

These Terms and Conditions, their interpretation, and all disputes between TACONIC and CUSTOMER arising in any manner, shall be governed by and construed in accordance with the internal laws of the State of New York, without giving effect to any choice or conflict of law provision or rule. The federal and state courts located in the Northern District of New York shall have exclusive jurisdiction over any lawsuit arising out of or relating to the interpretation or enforcement of these Terms and Conditions, and CUSTOMER expressly consents to such jurisdiction.

BINDING AGREEMENT

Acceptance of delivery of MODELS, PRODUCTS or SERVICES shall be deemed agreement to these Terms and Conditions, including any special terms and conditions set forth separately in the webpage for a

MODEL, PRODUCT or SERVICE. No purchase order or other document transmitted by CUSTOMER that may modify the Terms and Conditions hereof, shall be in any way binding on TACONIC, and instead the Terms and Conditions set forth herein, including any special terms and conditions set forth separately in the webpage for a MODEL, PRODUCT or SERVICE, shall govern the sale of MODELS, PRODUCTS, and SERVICES by TACONIC.