



TACONIC
Models For Life.



Pricing Guide **2021**

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Prepared for:
Taconic Biosciences
02-01-2021

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=129SVE>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on 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	€62,00

Specialized Inventory

Age / Type	Quantity
1-999	
Female w/Litter	€200,00
Retired Breeder	€59,00

129SVE Female EF (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 4	€51,00
5 to 7	€59,00
8 to 10	€70,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€70,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=129SVE>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on 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	€62,00

Specialized Inventory

Age / Type	Quantity
1-999	

129SVE Male EF (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 4	€51,00
5 to 7	€59,00
8 to 10	€70,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €70,00

Abb (H2-Ab1) - Model ABBN12**ABBN12 Female MPF ko/ko (Murine Pathogen Free™)****Model Number:** ABBN12**Animal Type:** Constitutive Knockout**Nomenclature:** B6.129-H2-Ab^{1mGru} N12**Application(s):** Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Microbiome, Oncology & Immuno-Oncology, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=ABBN12>**Species:** Mouse**Licensing:**

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Age in weeks	Quantity
1-999	

3 to 10

€172,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€172,00

ABBN12 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

3 to 10

€172,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€172,00

Order on taconic.com

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-DRB1⁰⁴⁰¹/H2-Eb)1Kito

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=004149>

Species: Mouse

Licensing:

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Order on taconic.com

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

Ace2 Knockout Mouse

Model Number: 18180

Animal Type: Constitutive Knockout

Nomenclature: B6;129S5-Ace²^{tm1Lex}

Application(s): Infectious Disease

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=18180>

Species: Mouse

Licensing: Access to this model requires execution of the Terms of Sale ([PDF](#)). There is no fee associated with this agreement, but purchases of live mice are subject to "breeder pack" and per head pricing.

[Terms of Sale for Use in ARDS/COVID-19 Research - Perpetual Term](#)

Submit the completed Terms of Sale directly to legal@taconic.com. Following countersignature by Taconic, you will be able to place an order for the Ace2 Knockout Model.

This model is sold under terms which grant perpetual use rights.

Order on taconic.com

18180 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 12 €214,00

18180 Female MPF ko/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 12 €175,00

18180 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 12 €122,00

18180 Male MPF ko/y (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 12 €214,00

18180 Male MPF wt/y (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 12 €122,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001004>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €414,00

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

Age in weeks	Quantity
1-999	

3 to 10 €414,00

[Order on taconic.com](#)

ApoE

Model Number: APOE

Animal Type: Constitutive Knockout

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

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=APOE>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10 €165,00

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

Age in weeks	Quantity
1-999	

3 to 10 €165,00

[Order on taconic.com](#)

APOE2

Model Number: 1547

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-Apoe^{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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001547>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

Order on taconic.com

APOE3

Model Number: 1548

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-Apoe^{tm2(APOE³)Mae} N8

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001548>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

[Order on taconic.com](#)

APOE4

Model Number: 1549

Animal Type: Targeted Replacement

Nomenclature: B6.129P2-Apoe^{tm3(APOE⁴)Mae} N8

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001549>

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.

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

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

Age in weeks	Quantity
1-999	

3 to 10 €336,60

Order on 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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001349>

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.

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

Age in weeks	Quantity
	1-999
6 to 12	€477,00
13 to 21	€507,60
22 to 29	€587,70
30 to 38	€658,80
39 to 45	€733,50

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

Age in weeks	Quantity
	1-999
6 to 12	€192,60
13 to 21	€234,90
22 to 29	€342,00
30 to 38	€458,10
39 to 45	€551,70

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

Age in weeks	Quantity
	1-999
6 to 12	€640,80
13 to 21	€670,50
22 to 29	€752,40
30 to 38	€817,20
39 to 45	€898,20

Order on 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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001349>

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.

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

Age in weeks	Quantity
	1-999
6 to 12	€288,90
13 to 21	€328,50
22 to 29	€439,20
30 to 38	€552,60
39 to 45	€647,10

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

Age in weeks	Quantity
	1-999
6 to 12	€477,00
13 to 21	€507,60
22 to 29	€587,70
30 to 38	€658,80
39 to 45	€733,50

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

Age in weeks	Quantity
	1-999
6 to 12	€192,60
13 to 21	€234,90
22 to 29	€342,00
30 to 38	€458,10
39 to 45	€551,70

Order on 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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001349>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
	1-999
6 to 12	€640,80
13 to 21	€670,50
22 to 29	€752,40
30 to 38	€817,20
39 to 45	€898,20

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

Age in weeks	Quantity
	1-999
6 to 12	€288,90
13 to 21	€328,50
22 to 29	€439,20
30 to 38	€552,60
39 to 45	€647,10

Order on taconic.com

APPSWE - Model 2789

Model Number: 2789

Animal Type: Random Transgenic

Nomenclature: 129S6.Cg-Tg(APPSWE)2576Kha
N20+?

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002789>

Species: Mouse

Licensing:

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2789 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
6 to 12	€513,00

2789 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
6 to 12	€217,80

2789 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
6 to 12	€513,00

2789 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
6 to 12	€217,80

Order on taconic.com

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US: 1-888-822-6642 | **EU:** +45 70 23 04 05 | **INFO@TACONIC.COM**

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002469>**Species:** Mouse**Licensing:**

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Order on taconic.com**2469 Female MPF tg/wt;tg/wt (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
4 to 10	€670,00

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

Age in weeks	Quantity
1-999	
4 to 10	€680,00

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

Age in weeks	Quantity
1-999	
4 to 10	€734,00

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

Age in weeks	Quantity
1-999	
4 to 10	€670,00

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

Age in weeks	Quantity
1-999	
4 to 10	€680,00

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

Age in weeks	Quantity
1-999	
4 to 10	€734,00

ARTE10 (APP-PS1)

Model Number: 16347

Animal Type: Random Transgenic

Nomenclature: B6.CBA-Tg(Thy1-PSEN1*M146V,-APP*Swe)10Arte

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=16347>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 12

€179,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€266,00

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

Age in weeks	Quantity
1-999	

3 to 12

€179,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€266,00

Order on taconic.com

B2m-NOG**Model Number:** 14957**Animal Type:**

Nomenclature: NOD.Cg-B2m^{em1}Tac Prkdc^{scid}
Il2rg^{tm1Sug}/JicTac

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=14957>

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

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

Age in weeks	Quantity	
	1-49	50-999
3 to 10	€280,00	€247,00

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

Age in weeks	Quantity	
	1-49	50-999
3 to 10	€280,00	€247,00

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B6 Albino

Model Number: 11971

Animal Type: Targeted Replacement

Nomenclature: C57BL/6NTac-*Tyr*^{tm1Arte}

Application(s): Model Generation Solutions

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=11971>

Species: Mouse

Licensing:

Conditions of Use for Taconic B6 Albino (Taconic model #11971)

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

Age in weeks	Quantity
1-999	
3 to 10	€225,00

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

Age in weeks	Quantity
1-999	
3 to 10	€225,00

B6.SJL**Model Number:** 4007**Animal Type:** Congenic**Nomenclature:** B6.SJL-*Ptprc^a*/BoyAiTac**Application(s):** Autoimmune Disease, Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Oncology & Immuno-Oncology, Reporter Lines**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=004007>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****4007 Female MPF sp/sp (Murine Pathogen Free™)**

Age in weeks	Quantity
	1-999
3 to 4	€81,00
5 to 7	€103,00
8 to 10	€124,00

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

Age in weeks	Quantity
	1-999
3 to 4	€69,00
5 to 7	€86,00
8 to 10	€110,00

B6129F1**Model Number:** B6129**Animal Type:** Hybrid**Nomenclature:** B6129F1/Tac**Application(s):** Inflammation, Metabolic Disease, Microbiome**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6129>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****B6129 Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
	1-999
3 to 4	€51,00
5 to 7	€60,00
8 to 10	€71,00

B6129 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	€51,00
5 to 7	€60,00
8 to 10	€71,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6C3F1>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****B6C3F1 Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
3 to 4	€65,00
5 to 7	€74,00
8 to 10	€84,00

B6C3F1 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€65,00
5 to 7	€74,00
8 to 10	€84,00

B6D2F1**Model Number:** B6D2F1**Animal Type:** Hybrid**Nomenclature:** B6D2F1/Tac**Application(s):** Immunology, Infectious Disease, Inflammation, Microbiome, Model Generation Solutions, Neuroscience**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6D2F1>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****B6D2F1 Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
3 to 4	€65,00
5 to 7	€74,00
8 to 10	€84,00

B6D2F1 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€65,00
5 to 7	€74,00
8 to 10	€84,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6JBOM>

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	€27,00
5 to 6	€29,00
7 to 8	€31,00
9 to 10	€34,00
11 to 12	€37,00

Specialized Inventory

Age / Type	Quantity
	1-999
Untimed Pregnant	€215,00
Retired Breeder	€35,00
Female w/Litter	€278,00
Timed Pregnant	€322,00

*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	€27,00
5 to 6	€29,00
7 to 8	€31,00
9 to 10	€34,00
11 to 12	€37,00

Specialized Inventory

Age / Type	Quantity
	1-999
Retired Breeder	€35,00

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, Reporter Lines

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6SJL>

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	€70,00
5 to 7	€79,00
8 to 10	€100,00

B6SJL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	€60,00
5 to 7	€73,00
8 to 10	€86,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=BALB>

Species: Mouse

Licensing:

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BALB Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	€33,00	€29,00
5 to 6	€36,00	€33,00
7 to 8	€40,00	€36,00
9 to 10	€42,00	€38,00

Specialized Inventory

Age / Type	Quantity	
	1-999	
Retired Breeder		€46,00

BALB Female EF (Excluded Flora)

Age in weeks	Quantity	
	1-999	
3 to 4		€51,00
5 to 6		€54,00
7 to 8		€61,00
9 to 10		€69,00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=BALB>

Species: Mouse

Licensing:

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BALB Female GF (Germ Free)

Age in weeks	Quantity
1-999	
3	€463,00
4	€502,00
5	€560,00
6	€578,00
7	€604,00
8	€630,00
9	€669,00
10	€707,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€707,00

BALB Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-199	
200-999	
3 to 4	€28,00
5 to 6	€34,00
7 to 8	€38,00
9 to 10	€49,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€59,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=BALB>

Species: Mouse

Licensing:

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BALB Male EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€43,00
5 to 6	€52,00
7 to 8	€58,00
9 to 10	€73,00

BALB Male GF (Germ Free)

Age in weeks	Quantity
	1-999
3	€463,00
4	€502,00
5	€560,00
6	€578,00
7	€604,00
8	€630,00
9	€669,00
10	€707,00

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€707,00

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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, Reporter Lines, Vaccine Research

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=BALJBO>

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	
	1-199	200-999
3 to 4	€22,00	€20,00
5 to 6	€24,00	€22,00
7 to 8	€26,00	€24,00
9 to 10	€28,00	€26,00

Specialized Inventory

Age / Type	Quantity	
	1-999	
Untimed Pregnant	€157,00	
Retired Breeder	€28,00	
Female w/Litter	€216,00	
Timed Pregnant	€304,00	

*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	
	1-199	200-999
3 to 4	€22,00	€20,00
5 to 6	€24,00	€22,00
7 to 8	€26,00	€24,00
9 to 10	€28,00	€26,00

Specialized Inventory

Age / Type	Quantity	
	1-999	
Retired Breeder	€28,00	

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002767>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10

€272,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€272,00

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

Age in weeks	Quantity
1-999	

3 to 10

€272,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€272,00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6>

Species: Mouse

Licensing:

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B6 Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	€18,00	€17,00
5 to 6	€20,00	€18,00
7 to 8	€22,00	€20,00
9 to 10	€26,00	€24,00
11 to 12	€32,00	€29,00

Specialized Inventory

Age / Type	Quantity	
	1-999	
Retired Breeder	€30,00	
Female w/Litter	€170,00	

B6 Female OF (Opportunist Free™)

Age in weeks	Quantity	
	1-999	
3 to 4	€29,00	
5 to 6	€32,00	
7 to 8	€36,00	
9 to 10	€41,00	

Specialized Inventory

Age / Type	Quantity	
	1-999	
Retired Breeder	€46,00	

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac)

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- Non-profit purchasers may breed Germ Free Black 6 for use in projects at purchaser's institution and on behalf of non-profit researchers only.
- Germ Free Black 6, progeny and materials derived from them will not be distributed to third parties. Murine Pathogen Free™, Restricted Flora™ and Excluded Flora Black 6 mice are sold subject to Taconic's [Terms and Conditions for the Sale for Products](#).

B6 Female GF (Germ Free)

Age in weeks	Quantity	
	1-29	29-999
3	€465,00	€443,00
4	€506,00	€482,00
5	€566,00	€539,00
6	€584,00	€557,00
7	€610,00	€582,00
8	€636,00	€605,00
9	€676,00	€644,00
10	€713,00	€679,00

[Order on 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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6>

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 the Sale for Products and the following terms of use:

- For-profit purchasers may not breed Germ Free Black 6 except to obtain embryos or fetuses for research use.
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- Germ Free Black 6, progeny and materials derived from them will not be distributed to third parties. Murine Pathogen Free™, Restricted Flora™ and Excluded Flora Black 6 mice are sold subject to Taconic's **Terms and Conditions for the Sale for Products**.

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B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity		
	1-199	1-999	200-999
3 to 4	€18,00		€17,00
5 to 6	€20,00		€18,00
7 to 8	€22,00		€20,00
9 to 10	€26,00		€24,00
11	€32,00		€29,00
12		€36,00	€29,00

Specialized Inventory

Age / Type	Quantity	
	1-199	1-999
13 to 14	€39,00	
15 to 16	€48,00	
17 to 18	€54,00	
19 to 20	€61,00	
21 to 22	€70,00	
23 to 24	€76,00	
25 to 26	€83,00	
27 to 31	€97,00	
32 to 36	€108,00	
37 to 40	€121,00	
41 to 44	€131,00	
45 to 48	€144,00	
49 to 52	€156,00	
Retired Breeder		€32,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6>

Species: Mouse

Licensing:

Terms of Sale and Use for Black 6 (B6NTac)

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B6 Male OF (Opportunist Free™)

Age in weeks	Quantity
1-999	
3 to 4	€28,00
5 to 6	€31,00
7 to 8	€34,00
9 to 10	€43,00

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€50,00

B6 Male GF (Germ Free)

Age in weeks		
	1-29	29-999
3	€465,00	€443,00
4	€506,00	€482,00
5	€566,00	€539,00
6	€584,00	€557,00
7	€610,00	€582,00
8	€636,00	€605,00
9	€676,00	€644,00
10	€713,00	€679,00

Order on taconic.com

C.B-17 scid

Model Number: CB17SC

Animal Type: Spontaneous Mutant

Nomenclature: C.B-*Igh-1^P*/IcrTac-*Prkdc*^{scid}

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=CB17SC>

Species: Mouse

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

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CB17SC Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
1-999	
4	€87,00
5 to 6	€102,00
7 to 8	€106,00

Specialized Inventory

Age / Type	Quantity
1-999	
Female w/Litter	€475,00
Untimed Pregnant	€320,00
Retired Breeder	€106,00

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

CB17SC Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity
1-999	
4	€87,00
5 to 6	€102,00
7 to 8	€106,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€106,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=C3H>**Species:** Mouse

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

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C3H Female EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€53,00
5 to 7	€55,00
8 to 10	€61,00

C3H Male EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€51,00
5 to 7	€53,00
8 to 10	€57,00

Cdh5(PAC)-CreERT2 Mouse

Model Number: 13073

Animal Type: Random Transgenic

Nomenclature: C57BL/6-Tg(Cdh5-cre/ERT2)1Rha

Application(s): Cardiovascular Disease, Oncology & Immuno-Oncology, Recombinase-mediated gene deletion

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=13073>

Species: Mouse

Licensing:

Access to this model requires execution of a Limited Breeding Agreement. The current agreement fees are:

- \$3,000/€2550 per year for non-profit users
- \$10,000/€8500 per year for for-profit users

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

Purchase of line #13073 includes the right under the patents owned by Le Centre Européen de Recherche en Biologie et en Médecine ("CERBM") to perform inducible deletion (e.g. tamoxifen induction based deletion) using the CreER gene.

13073 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €270,00

13073 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €270,00

Order on taconic.com

CETP**Model Number:** 3715**Animal Type:** Random Transgenic**Nomenclature:** B6.SJL-Tg(APOA-CETP)1Dsg N11**Application(s):** Cardiovascular Disease**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=003715>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	
3 to 10	€611,10

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

Age in weeks	Quantity
1-999	
3 to 10	€391,50

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

Age in weeks	Quantity
1-999	
3 to 10	€611,10

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

Age in weeks	Quantity
1-999	
3 to 10	€391,50

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CETP-ApoB100

Model Number: 3716

Animal Type: Random Transgenic

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

Application(s): Cardiovascular Disease

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelNo=003716>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
3 to 10	1-999
	€457,20

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

Age in weeks	Quantity
3 to 10	1-999
	€457,20

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=11503>

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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Does your research require the use of neonates?

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11503 Female EF ko/ko;ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€184,00

11503 Male EF ko/ko;ko/y (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€184,00

CIEA NOG mouse®

Model Number: NOG

Animal Type: Constitutive Knockout / Spontaneous Mutant

Nomenclature: NOD.Cg-*Prkdc*^{scid} II2rg^{tm1Sug}/JicTac

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NOG>

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

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

Age in weeks	Quantity	1-49	50-99	100-999
3 to 10	€95,20	€91,60	€87,20	

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

Age in weeks	Quantity	1-49	50-99	100-999
3 to 10	€76,00	€72,50	€70,00	

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Cre Deleter

Model Number: 12524

Animal Type: Targeted Transgenic

Nomenclature: C57BL/6NTac-

Gt(ROSA)26Sor^{tm1(cre)Arte}

Application(s): Recombinase-mediated gene deletion

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=12524>

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:

- \$500/€425 per line for non-profit users
- \$1,500/€1275 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:

- \$4,000/€3400 per year for non-profit users
- \$10,000/€8500 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.

12524 Female EF ki/wt (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€344,00

12524 Male EF ki/wt (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€344,00

Order on taconic.com

DBA/1**Model Number:** DBA1BO**Animal Type:** Inbred**Nomenclature:** DBA/1JBomTac**Application(s):** Autoimmune Disease, Immunology, Inflammation**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=DBA1BO>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****DBA1BO Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
3 to 4	€67,00
5 to 7	€75,00
8 to 10	€85,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €99,00

DBA1BO Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€67,00
5 to 7	€75,00
8 to 10	€85,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €100,00

DBA/2**Model Number:** DBA2**Animal Type:** Inbred**Nomenclature:** DBA/2NTac**Application(s):** Epilepsy, Immunology, Infectious Disease, Oncology & Immuno-Oncology, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=DBA2>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****DBA2 Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
3 to 4	€76,00
5 to 7	€85,00
8 to 10	€104,00

Specialized Inventory

Age / Type	Quantity
1-999	

DBA2 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€76,00
5 to 7	€85,00
8 to 10	€104,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €122,00

Diet Induced NASH B6

Model Number: NASH-B6

Animal Type:

Nomenclature: C57BL/6NTac

Application(s):

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NASHB6>

Species: Mouse

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

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NASH-B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
9 to 10	€89,00
11 to 12	€106,00
13 to 14	€123,00
15 to 16	€143,00
17 to 18	€162,00
19 to 20	€177,00
21 to 22	€196,00
23 to 24	€223,00
25 to 26	€230,00
27 to 28	€246,00
29 to 30	€265,00
31 to 32	€283,00

NASHCONTROL-B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
9 to 10	€30,00
11 to 12	€37,00
13 to 14	€44,00
15 to 16	€55,00
17 to 18	€62,00
19 to 20	€70,00
21 to 22	€80,00
23 to 24	€87,00
25 to 26	€95,00
27 to 31	€111,00

Diet Induced Obese (DIO) B6

Model Number: DIO-B6

Animal Type:

Nomenclature: C57BL/6NTac

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=B6DIO>

Species: Mouse

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

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B6-DIOCONTROL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
7 to 8	€24,00
9 to 10	€29,00
11 to 12	€36,00
13 to 14	€43,00
15 to 16	€53,00
17 to 18	€60,00
19 to 20	€68,00
21 to 22	€77,00
23 to 24	€84,00
25 to 26	€92,00

DIO-B6 Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
9	€52,00
10	€61,00
11	€68,00
12	€76,00
13	€83,00
14	€91,00
15	€98,00
16	€105,00
17	€113,00
18	€120,00
19	€128,00
20	€135,00
21	€143,00
22	€150,00
23	€156,00
24	€164,00
25	€171,00
26	€179,00

Fcer1g (FcR γ) - 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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=000583>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10

€279,00

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

Age in weeks	Quantity
1-999	

3 to 10

€279,00

Order on taconic.com

Fcer1g - Model 584

Model Number: 584

Animal Type: Constitutive Knockout

Nomenclature: C129P2(B6)-Fcer1g^{tm1Rav} N12

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=000584>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10 €279,00

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

Age in weeks	Quantity
1-999	

3 to 10 €279,00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=000580>

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.

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

Age in weeks	Quantity
1-999	

3 to 10 €279,00

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

Age in weeks	Quantity
1-999	

3 to 10 €279,00

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Fcgr2b - Model 579

Model Number: 579

Animal Type: Constitutive Knockout

Nomenclature: C.129S4(B6)-Fcgr2b^{tm1Ttk}/cAnNTac
N12

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=000579>

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.

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

Age in weeks	Quantity
1-999	

3 to 10

€279,00

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

Age in weeks	Quantity
1-999	

3 to 10

€279,00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=007089>

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:

- \$500/€425 per line for non-profit users
- \$1,500/€1275 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:

- \$4,000/€3400 per year for non-profit users
- \$10,000/€8500 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.

7089 Female EF tg/tg (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€344,00

7089 Female EF tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€344,00

7089 Male EF tg/tg (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€334,00

7089 Male EF tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€334,00

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FVB**Model Number:** FVB**Animal Type:** Inbred**Nomenclature:** FVB/NTac**Application(s):** Immunology, Inflammation, Model Generation Solutions**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=FVB>**Species:** Mouse

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

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FVB Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	€36,00
5 to 7	€43,00
8 to 10	€56,00

FVB Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 4	€32,00
5 to 7	€39,00
8 to 10	€47,00

hACE2 AC70 Mouse

Model Number: 18222

Animal Type: Random Transgenic

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

Application(s): Infectious Disease, Vaccine Research

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=18222>

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.

18222 Female EF tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 12	€79,91

18222 Female EF wt/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 12	€39,95

18222 Male EF tg/y (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 12	€79,91

18222 Male EF wt/y (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 12	€39,95

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hIL-15 NOG**Model Number:** 13683**Animal Type:****Nomenclature:** NOD.Cg-*Prkdc*^{scid} /*I2rg*^{tm1Sug} Tg(CMV-IL2/IL15)1-Jic/JicTac**Application(s):** Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=13683>**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](#)
13683 Female OF sp/sp;ko/ko;tg/wt (Opportunist Free™)

Age in weeks	Quantity
1-999	

4 to 10

€220,00

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

Age in weeks	Quantity
1-999	

4 to 10

€220,00

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 & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=13440>**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

13440 Female EF sp/sp;ko/ko;tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	€197,00
4 to 10	

13440 Male EF sp/sp;ko/y;tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	€197,00
4 to 10	

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hIL-6 NOG

Model Number: 13686

Animal Type:

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

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=13686>

Species: Mouse

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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

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13686 Female EF sp/sp;ko/ko;tg/tg (Excluded Flora)

Age in weeks	Quantity
3 to 10	€197,00

13686 Male EF sp/sp;ko/y;tg/tg (Excluded Flora)

Age in weeks	Quantity
3 to 10	€197,00

HLA-A1**Model Number:** 9662**Animal Type:** Random Transgenic**Nomenclature:** CB6F1-Tg(HLA-A*0101/H2-Kb)A1.01**Application(s):** Immunology, Infectious Disease, Safety Assessment, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009662>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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HLA-A11

Model Number: 9660

Animal Type: Random Transgenic

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

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009660>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

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HLA-A2.1**Model Number:** 9659**Animal Type:** Random Transgenic**Nomenclature:** CB6F1-Tg(HLA-A*0201/H2-Kb)A*0201**Application(s):** Autoimmune Disease, Immunology, Infectious Disease, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009659>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

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

Age in weeks	Quantity
1-999	

3 to 10 €269,10

HLA-A24**Model Number:** 9663**Animal Type:** Random Transgenic**Nomenclature:** CB6F1-Tg(HLA-A*2402/H2-Kb)A24.01**Application(s):** Autoimmune Disease, Immunology, Infectious Disease, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009663>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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HLA-B44**Model Number:** 9664**Animal Type:** Random Transgenic**Nomenclature:** CB6F1-Tg(HLA-B*4002/H2-Kb)B44.01**Application(s):** Autoimmune Disease, Immunology, Infectious Disease, Oncology & Immuno-Oncology, Safety Assessment, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009664>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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

Age in weeks	Quantity
1-999	

3 to 10 €299,00

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HLA-B7

Model Number: 9661

Animal Type: Constitutive Knockout / Random Transgenic

Nomenclature: CB6F1-*B2m*^{tm1Unc} Tg(B2M)55Hpl Tg(HLA-B*0702/H2-Kb)B7.xx

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009661>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10

€299,00

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

Age in weeks	Quantity
1-999	

3 to 10

€299,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=11026>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	
4 to 10	€388,00

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

Age in weeks	Quantity
1-999	
4 to 10	€388,00

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Humanized Liver & Gut CYP3A4 Mouse

Model Number: 9049

Animal Type: Constitutive Knockout

Nomenclature: FVB.129P2-Cyp3a13^{tm1Ahs}

Del(5Cyp3a57-Cyp3a59)1Ahs Tg(Vil1-CYP3A4)1Ahs

Tg(APOE-CYP3A4)A1Ahs

Application(s): ADMET, Metabolic Disease, Microbiome, Safety Assessment

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=009049>

Species: Mouse

Licensing:

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9049 Female MPF ko/ko;ko/ko;tg/tg;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	€455,60

9049 Male MPF ko/ko;ko/ko;tg/tg;tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
	1-999
3 to 10	€455,60

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huNOG

Model Number: HSCCB-NOG

Animal Type: Constitutive Knockout

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

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

Health Report: <https://etaconic.com/health/health-monitoring-report?trg=HMP004>

Species: Mouse

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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

HSCCB-NOG Female sp/sp;ko/ko

Quantity
1-999

€1.008,00

HSCFTL-NOG Female sp/sp;ko/ko

Quantity
1-999

€1.008,00

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huNOG-EXL**Model Number:** HSCFTL-13395**Animal Type:****Nomenclature:** NOD.Cg-*Prkdc*^{scid} II2rg^{tm1Sug}

Tg(SV40/HTLV-IL3,CSF2)10-7Jic/JicTac

Application(s): Cell and Tissue Humanized, Immunology, Infectious Disease, Oncology & Immuno-Oncology, Safety Assessment, Transgenic Model Generation Support**Health Report:** <https://etaconic.com/health/health-monitoring-report?trg=HMP004>**Species:** Mouse**Licensing:**

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- EP Patent No. 1,338,198
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HSCCB-13395 Female sp/sp;ko/ko;tg/wt

Quantity
1-999

€1.292,00

HSCFTL-13395 Female sp/sp;ko/ko;tg/wt

Quantity
1-999

€1.292,00

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huPBMC-B2m-NOG

Model Number: huPBMC-14957

Animal Type:

Nomenclature: NOD.Cg-B2m^{em1Tac} Prkdc^{scid}

Il2rg^{tm1Sug}/JicTac

Application(s): Cell and Tissue Humanized

Health Report: <https://etaconic.com/health/health-monitoring-report?trg=HMP004>

Species: Mouse

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- EP Patent No. 1,338,198
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huPBMC-NOG

Contact us for pricing on this model

Model Number: huPBMC-NOG

Animal Type:

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

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

Health Report: <https://etaconic.com/health/health-monitoring-report?trg=HMP004>

Species: Mouse

Licensing:

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- EP Patent No. 1,338,198
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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: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=ICRSC>

Species: Mouse

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

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ICRSC Female EF sp/sp (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 5	€78,00
6 to 8	€85,00
9	€96,00

ICRSC Male EF sp/sp (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 5	€78,00
6 to 8	€85,00
9	€96,00

II10 Knockout (B6)

Model Number: 16006

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac-*II10*^{em8Tac}

Application(s): Immunology, Inflammation

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=16006>

Species: Mouse

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- This Model and biological materials derived from it

16006 Female EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€204,40

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€240,80

16006 Female GF ko/ko (Germ Free)

Age in weeks	Quantity
1-999	
3 to 8	€385,70

9 to 10	€437,50
---------	---------

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€492,10

16006 Male EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€204,40

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€240,80

II10 Knockout (B6)

Model Number: 16006

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac-*II10*^{em8}Tac

Application(s): Immunology, Inflammation

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=16006>

Species: Mouse

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16006 Male GF ko/ko (Germ Free)

Age in weeks	Quantity
	1-999
3 to 8	€385,70
9 to 10	€437,50

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€492,10

II10 Knockout (BALB/c)

Model Number: 15660

Animal Type: Constitutive Knockout

Nomenclature: BALB/cAnNTac-II10^{em7Tac}

Application(s): Immunology, Inflammation

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=15660>

Species: Mouse

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 - This Model and biological materials derived from it

15660 Female EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€204,40

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€240,80

15660 Female GF ko/ko (Germ Free)

Age in weeks	Quantity
1-999	
3 to 8	€385,70

9 to 10

€437,50

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€492,10

15660 Male EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€204,40

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€240,80

II10 Knockout (BALB/c)

Model Number: 15660

Animal Type: Constitutive Knockout

Nomenclature: BALB/cAnNTac-II10^{em7Tac}

Application(s): Immunology, Inflammation

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=15660>

Species: Mouse

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15660 Male GF ko/ko (Germ Free)

Age in weeks	Quantity
	1-999
3 to 8	€385,70
9 to 10	€437,50

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€492,10

Jh (BALB/c)**Model Number:** 1147**Animal Type:** Constitutive Knockout**Nomenclature:** C.Cg-*Igh*-J^{tm1Dhu}**Application(s):** Autoimmune Disease, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001147>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €197,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €197,00

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

Age in weeks	Quantity
1-999	

3 to 10 €197,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €197,00

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Jh (C57BL/6)

Model Number: 17758

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac-*lgh-JemTac*

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=17758>

Species: Mouse

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

Age in weeks	Quantity
1-999	

3 to 10

€197,00

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

Age in weeks	Quantity
1-999	

3 to 10

€197,00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=13940>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
3 to 8	1-999

€122,00

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

Age in weeks	Quantity
3 to 8	1-999

€122,00

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Mdr1a**Model Number:** MDR1A**Animal Type:** Constitutive Knockout**Nomenclature:** FVB.129P2-*Abcb1a*^{tm1Bor} N7**Application(s):** ADMET, Inflammation, Inflammatory Bowel Disease, Microbiome, Neuroscience, Safety Assessment**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=MDR1A>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10

€261,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€261,00

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

Age in weeks	Quantity
1-999	

3 to 10

€261,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€261,00

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Mdr1a/b**Model Number:** 1487**Animal Type:** Constitutive Knockout**Nomenclature:** FVB.129P2-*Abcb1a*^{tm1Bor}*Abcb1b*^{tm1Bor} N12**Application(s):** ADMET, Inflammation, Inflammatory Bowel Disease, Microbiome, Neuroscience, Safety Assessment**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001487>**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

€267,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€267,00

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

Age in weeks	Quantity
1-999	

3 to 10

€267,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€267,00

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Mdr1a/b-Bcrp

Model Number: 3998

Animal Type: Constitutive Knockout

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

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=003998>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10

€263,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€263,00

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

Age in weeks	Quantity
1-999	

3 to 10

€263,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€263,00

[Order on taconic.com](#)

NCr nude**Model Number:** NCRNU**Animal Type:** Spontaneous Mutant**Nomenclature:** CrTac:NCr-*Foxn1^{nu}***Application(s):** Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NCRNU>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****NCRNU Female EF sp/sp (Excluded Flora)**

Age in weeks	Quantity
	1-999
4	€86,00
5 to 7	€92,00
8 to 9	€103,00

NCRNU Female EF sp/wt (Excluded Flora)

Age in weeks	Quantity
	1-999
4 to 9	€43,00

NCRNU Male EF sp/sp (Excluded Flora)

Age in weeks	Quantity
	1-999
4	€86,00
5 to 7	€92,00
8 to 9	€103,00

NCRNU Male EF sp/wt (Excluded Flora)

Age in weeks	Quantity
	1-999
4 to 9	€43,00

NF_KB-RE-luc**Model Number:** 10499**Animal Type:** Random Transgenic**Nomenclature:** BALB/c-Tg(Rela-luc)31Xen

Application(s): Immunology, Infectious Disease, Inflammation, Inflammatory Bowel Disease, Microbiome, Oncology & Immuno-Oncology, Reporter Lines

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=10499>

Species: Mouse**Licensing:** Conditions of Use

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10499 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

5 to 10 €299,00

10499 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

5 to 10 €299,00

[Order on taconic.com](#)

NIH nude rat

Model Number: NIHRNU

Animal Type: Spontaneous Mutant

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

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NIHRNU>

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 EF sp/sp (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€220,50
5 to 8	€261,00
9 to 12	€305,10

NIHRNU Female EF sp/wt (Excluded Flora)

Age in weeks	Quantity
	1-999
4 to 12	€108,90

NIHRNU Male EF sp/sp (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€220,50
5 to 8	€261,00
9 to 12	€305,10

NIHRNU Male EF sp/wt (Excluded Flora)

Age in weeks	Quantity
	1-999
4 to 12	€108,90

NMRI**Model Number:** NMRI**Animal Type:** Outbred**Nomenclature:** BomTac:NMRI**Application(s):** Safety Assessment, Vaccine Research**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NMRI>**Species:** Mouse

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NMRI Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 5	€15,00	€14,00
6 to 8	€16,00	€15,00
9 to 10	€27,00	€25,00

Specialized Inventory

Age / Type	Quantity
	1-999
Untimed Pregnant	€96,00
Retired Breeder	€33,00
Female w/Litter	€109,00
Timed Pregnant	€123,00

*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	
	1-199	200-999
3 to 5	€15,00	€14,00
6 to 8	€16,00	€15,00
9 to 10	€27,00	€25,00

Specialized Inventory

Age / Type	Quantity
	1-999
Retired Breeder	€33,00

NMRI nude

Model Number: NMRINU

Animal Type: Spontaneous Mutant

Nomenclature: BomTac:NMRI-*Foxn1^u*

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NMRINU>

Species: Mouse

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NMRINU Female OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 5	€69,30	€61,20
6 to 8	€73,80	€67,50

NMRINU Female OF sp/wt (Opportunist Free™)

Age in weeks	Quantity	
	1-999	
3 to 8		€29,70

NMRINU Male OF sp/sp (Opportunist Free™)

Age in weeks	Quantity	
	1-99	100-999
3 to 5	€69,30	€61,20
6 to 8	€73,80	€67,50

NMRINU Male OF sp/wt (Opportunist Free™)

Age in weeks	Quantity	
	1-999	
3 to 8		€29,70

NOD

Model Number: NOD

Animal Type: Inbred

Nomenclature: NOD/MrkTac

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=NOD>

Species: Mouse

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NOD Female EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€97,00
5 to 7	€123,00
8 to 9	€146,00

NOD Male EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€70,00
5 to 7	€101,00
8 to 9	€120,00

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

Model Number: 13395

Animal Type:

Nomenclature: NOD.Cg-*Prkdc*^{scid} II2rg^{tm1Sug}
Tg(SV40/HTLV-IL3,CSF2)10-7Jic/JicTac

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelNo=13395>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
4 to 10	1-999
	€191.00

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

Age in weeks	Quantity
4 to 10	1-999
	€145.00

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=10707>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10

€298,00

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

Age in weeks	Quantity
1-999	

3 to 10

€298,00

Rab29 Overexpression Mouse

Model Number: 16552

Animal Type: Targeted Transgenic

Nomenclature: C57BL/6NTac-Gt(ROSA)26Sor^{tmi(Pgk-Rab29)Tac}

Application(s):

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=16552>

Species: Mouse

Licensing:

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16552 Female MPF ki/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-9999	1-999
4 to 8	€122,00
	€122,00

16552 Male MPF ki/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-9999	1-999
4 to 8	€122,00
	€122,00

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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 & Immuno-Oncology

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=000601>

Species: Mouse

Licensing:

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601 Female EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€187,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€187,00

601 Male EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€187,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€187,00

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Rag2 - Model RAGN12

Model Number: RAGN12

Animal Type: Constitutive Knockout

Nomenclature: B6.129S6-*Rag2*^{tm1Fwa} N12

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=RAGN12>

Species: Mouse

Licensing:

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RAGN12 Female MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

3 to 10

€167,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€167,00

RAGN12 Female EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€207,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€207,00

RAGN12 Male MPF ko/ko (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

3 to 10

€167,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€167,00

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Rag2 - Model RAGN12

Model Number: RAGN12

Animal Type: Constitutive Knockout

Nomenclature: B6.129S6-*Rag2*^{tm1Fwa} N12

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=RAGN12>

Species: Mouse

Licensing:

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RAGN12 Male EF ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	

3 to 10

€207,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€207,00

Order on taconic.com

Rag2/I^l2rg Double Knockout

Model Number: 4111

Animal Type: Constitutive Knockout

Nomenclature: C57BL/6NTac.Cg-Rag2^{tm1Fwa} I^l2rg^{tm1Wjl}

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=004111>

Species: Mouse

Licensing:

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4111 Female EF ko/ko;ko/ko (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€168,30

4111 Male EF ko/ko;ko/y (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 10	€168,30

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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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002334>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

3 to 10

€275,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€275,00

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

Age in weeks	Quantity
1-999	

3 to 10

€275,00

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

Age in weeks	Quantity
1-999	

3 to 10

€275,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder

€275,00

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

Age in weeks	Quantity
1-999	

3 to 10

€275,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelNo=11490>

Species: Mouse

Licensing:

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

Age in weeks	Quantity
1-999	

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

Age in weeks	Quantity
1-999	

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rasH2**Model Number:** 1178**Animal Type:** Random Transgenic**Nomenclature:** CByB6F1-Tg(HRAS)2Jic**Application(s):** ADMET, Oncology & Immuno-Oncology, Safety Assessment**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001178>**Species:** Mouse**Licensing:**

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1178 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
4 to 10	€624,00

1178 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
4 to 10	€571,00

1178 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
4 to 10	€624,00

1178 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
4 to 10	€571,00

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scid-beige**Model Number:** CBSCBG**Animal Type:** Spontaneous Mutant**Nomenclature:** C.B-*Igh-1b*/GbmsTac-*Prkdc*^{scid}-Lyst^{bg}N7**Application(s):** Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=CBSCBG>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****CBSCBG Female OF sp/sp;sp/sp (Opportunist Free™)**

Age in weeks	Quantity
1-999	
3 to 5	€137,00
6 to 8	€154,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€167,00

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

Age in weeks	Quantity
1-999	
3 to 6	€168,00
7 to 10	€185,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€206,00

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

Age in weeks	Quantity
1-999	
3 to 5	€137,00
6 to 8	€154,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€167,00

scid-beige**Model Number:** CBSCBG**Animal Type:** Spontaneous Mutant**Nomenclature:** C.B-*Igh-1b*/GbmsTac-*Prkdc*^{scid}-Lyst^{bg}N7**Application(s):** Cell and Tissue Humanized, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=CBSCBG>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**CBSCBG Male DF sp/sp;sp/sp (Defined Flora)**

Age in weeks	Quantity
	1-999
3 to 6	€168,00
7 to 10	€185,00

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€206,00

Order on taconic.com

SJL**Model Number:** SJL**Animal Type:** Inbred**Nomenclature:** SJL/JCrNTac**Application(s):** Cardiovascular Disease, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SJL>**Species:** Mouse**Licensing:** This model is sold subject to the [Terms and Conditions for Taconic Models, Products and Services](#).**Order on taconic.com****SJL Female MPF (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	
3 to 4	€115,00
5 to 7	€149,00
8 to 9	€175,00

Specialized Inventory

Age / Type	Quantity
1-999	
Female w/Litter	€804,00
Retired Breeder	€178,00

SJL Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€101,00
5 to 7	€125,00
8 to 9	€144,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€146,00

SOD1 Rat**Model Number:** 2148**Animal Type:** Random Transgenic**Nomenclature:** NTac:SD-Tg(SOD1G93A)L26H**Application(s):** Neuroscience, Parkinson's Disease**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002148>**Species:** Rat**Licensing:****SOD1 Conditions of Use****Order on taconic.com****2148 Female MPF tg/wt (Murine Pathogen Free™)**

Age in weeks	Quantity
1-999	

3 to 12

€195,00

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

Age in weeks	Quantity
1-999	

3 to 12

€170,00

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

Age in weeks	Quantity
1-999	

3 to 12

€195,00

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

Age in weeks	Quantity
1-999	

3 to 12

€170,00

Sprague Dawley®

Model Number: SD

Animal Type: Outbred

Nomenclature: NTac:SD

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SD>

Species: Rat

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

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SD Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity	
	1-199	200-999
3 to 4	€21,00	€18,00
5 to 6	€27,00	€24,00
7 to 8	€24,00	€29,00
9 to 10	€40,00	€36,00
11	€47,00	€49,00
12	€55,00	€56,00
13	€62,00	€63,00
14	€69,00	€69,00

Specialized Inventory

Age / Type	Quantity	
	1-999	
Untimed Pregnant	€174,00	
Female w/Litter	€231,00	
Timed Pregnant	€250,00	
Retired Breeder	€90,00	

*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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SD>

Species: Rat

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SD Female EF (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 4	€53,00
5 to 6	€75,00
7 to 8	€87,00
9 to 10	€106,00
11	€117,00
12	€130,00
13	€142,00
14	€154,00
15	€166,00
16	€178,00
17	€190,00

Specialized Inventory

Age / Type	Quantity
1-999	
Female w/Litter	€236,00

SD Male MPF (Murine Pathogen Free™)

Age in weeks		
	1-199	200-999
3 to 4	€21,00	€19,00
5 to 6	€29,00	€27,00
7 to 8	€42,00	€38,00
9 to 10	€55,00	€49,00
11	€62,00	€56,00
12	€69,00	€63,00
13	€78,00	€69,00
14	€85,00	€76,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€90,00

Sprague Dawley®

Model Number: SD

Animal Type: Outbred

Nomenclature: NTac:SD

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SD>

Species: Rat

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

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SD Male EF (Excluded Flora)

Age in weeks	Quantity
3 to 4	€53,00
5 to 6	€77,00
7 to 8	€101,00
9 to 10	€129,00
11	€140,00
12	€153,00
13	€165,00
14	€177,00
15	€189,00
16	€201,00
17	€213,00

Stat1**Model Number:** 2045**Animal Type:** Constitutive Knockout**Nomenclature:** 129S6/SvEv-*Stat1*^{tm1Rds}**Application(s):** Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002045>**Species:** Mouse**Licensing:**

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

Age in weeks	Quantity
1-999	

3 to 10 €184,50

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

Age in weeks	Quantity
1-999	

3 to 10 €184,50

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Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SW>

Species: Mouse

Licensing:

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SW Female MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€11,00
5 to 6	€13,00
7 to 8	€14,00
9 to 10	€15,00
11 to 12	€22,00

Specialized Inventory

Age / Type	Quantity
1-999	
Retired Breeder	€15,00

SW Female EF (Excluded Flora)

Age in weeks	Quantity
1-999	
3 to 4	€27,00
5 to 6	€29,00
7 to 8	€32,00
9 to 10	€34,00

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Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SW>

Species: Mouse

Licensing:

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SW Female GF (Germ Free)

Age in weeks	Quantity
1-999	
3	€283,00
4	€310,00
5	€318,00
6	€343,00
7	€355,00
8	€388,00
9	€432,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €482,00

SW Male MPF (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 4	€11,00
5 to 6	€13,00
7 to 8	€14,00
9 to 10	€15,00
11 to 12	€22,00

Specialized Inventory

Age / Type	Quantity
1-999	

Retired Breeder €15,00

Swiss Webster

Model Number: SW

Animal Type: Outbred

Nomenclature: Tac:SW

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

Health Report: <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=SW>

Species: Mouse

Licensing:

Terms of Sale and Use for Swiss Webster

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SW Male EF (Excluded Flora)

Age in weeks	Quantity
	1-999
3 to 4	€27,00
5 to 6	€29,00
7 to 8	€32,00
9 to 10	€34,00

SW Male GF (Germ Free)

Age in weeks	Quantity
	1-999
3	€281,00
4	€310,00
5	€318,00
6	€343,00
7	€356,00
8	€388,00
9	€415,00

Specialized Inventory

Age / Type	Quantity
Retired Breeder	€471,00

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=002508>

Species: Mouse

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

Age in weeks	Quantity
1-999	
3 to 10	€370,80

2508-RD1 Female MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 10	€717,30

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

Age in weeks	Quantity
1-999	
3 to 10	€370,80

2508-RD1 Male MPF tg/tg (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	
3 to 10	€717,30

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TK-NOG**Model Number:** 12907**Animal Type:****Nomenclature:** NOD.Cg-*Prkdc*^{scid} II2rg^{tm1Sug} Tg(Alb-TK)7-2/ShiJic**Application(s):** ADMET, Cell and Tissue Humanized**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=12907>**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

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12907 Female EF sp/sp;ko/ko;tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 10	€269,00

12907 Female EF sp/sp;ko/ko;wt/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 10	€210,00

12907 Male EF sp/sp;ko/y;tg/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 10	€269,00

12907 Male EF sp/sp;ko/y;wt/wt (Excluded Flora)

Age in weeks	Quantity
1-999	
4 to 10	€210,00

TNF- α **Model Number:** 1006**Animal Type:** Random Transgenic**Nomenclature:** B6.Cg-Tg(TNF) $\#Xen$ **Application(s):** Autoimmune Disease, Genetically Humanized, Immunology, Inflammation, Oncology & Immuno-Oncology**Health Report:** <https://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=001006>**Species:** Mouse**Licensing:**

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1006 Female MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €401,00

1006 Female MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €233,00

1006 Male MPF tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €401,00

1006 Male MPF wt/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

4 to 10 €233,00

Order on taconic.com

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://etaconic.com/health/health-monitoring-index-for-animal-model?modelno=11977>

Species: Mouse

Licensing: Conditions of Use

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11977 Female MPF ki/ki;tg/wt (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

5 to 10

€374.00

11977 Male MPF ki^{ki};tg^{/wt} (Murine Pathogen Free™)

Age in weeks	Quantity
1-999	

5 to 10

€374,00

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The rasH2 Mouse*

A model to accelerate carcinogenicity testing studies

When you perform traditional carcinogenicity testing over a two year horizon, time and costs are not the only things you are adding to your protocol. You are also exposing your research to the risk of spontaneous tumor development in your models – a risk that can skew your findings.

THE TACONIC rasH2 MOUSE* OFFERS A BETTER ALTERNATIVE

Taconic rasH2 mice enable you to perform short-term carcinogenicity testing of compounds on a much faster time line – reducing the in-life portion of your study to 1/4 of a traditional two year study.

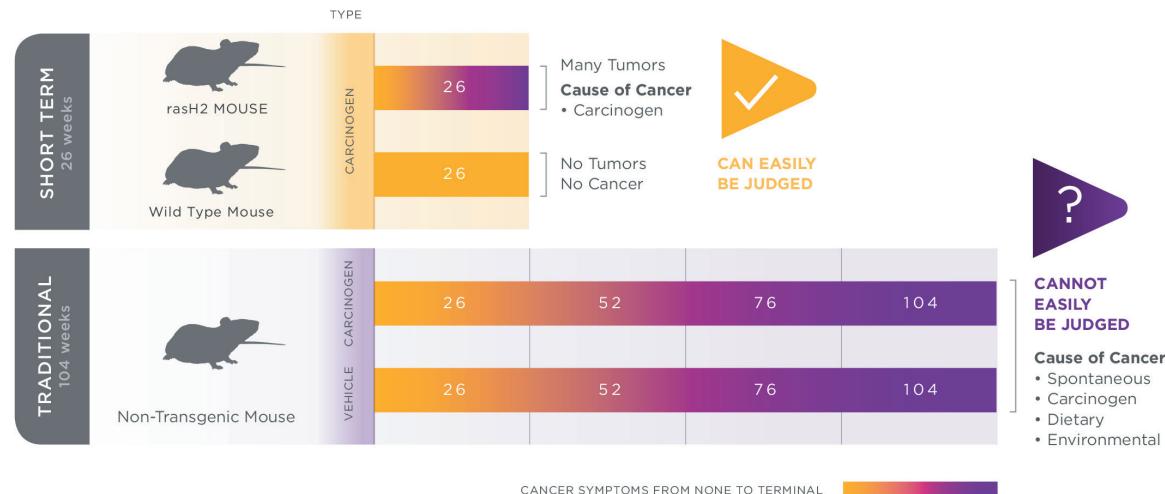
The use of rasH2 is approved by the FDA and the International Conference on Harmonisation (ICH) S1B Guideline¹. Faster testing means lower costs, quicker answers on your compounds, and a significantly lower risk of spontaneous tumors.

Like all of the models in our unique Taconic Transgenic Models™ portfolio, rasH2 mice are sold with full research use rights and are readily available in typical study quantities – enabling you to immediately begin using them in your research.

ADVANTAGES OF THE rasH2 MOUSE*

- ▶ **Shorter studies.** Using Taconic's rasH2 mice, you can greatly reduce the in-life portion of your testing – cutting your study time by as much as 75 percent.
- ▶ **Lower study costs.** Taconic rasH2 mice reduce your total research costs through lower cage costs, less compound administration, and reduced labor costs.
- ▶ **Faster results.** Since Taconic's rasH2 mice allow you to complete carcinogenicity studies in a fraction of the time, you obtain critical data and answers sooner.
- ▶ **More accurate results.** With no spontaneous tumor indication up to the age of 6 months, Taconic rasH2 mice reduce the incidence of false positives.
- ▶ **Availability of historical data.** A substantial amount of phenotypic background data is available for rasH2^{2,3,4,5}. These data demonstrate the low incidences of spontaneous tumors and the robustness of the model in identifying carcinogens, providing a valuable reference for current and future carcinogenicity studies.

CARCINOGENICITY TESTING (IN WEEKS)



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* Developed by CIEA

The rasH2 Mouse*

Continued

KEY APPLICATIONS

Taconic rasH2 mice provide a fast, cost-effective option for testing for mutagenic and non-mutagenic chemically-induced tumor formation.

HOW TACONIC'S 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.

Taconic rasH2 mice are FDA approved for use in short-term carcinogenicity testing that has an in-life portion of only six months – reducing your testing timeline by up to 75 percent. rasH2 mice also demonstrate an extremely low incidence of spontaneous tumors, with no indication of pre-neoplastic cell stages or tumors until the age of 6 months. They are also proven to provide much more rapid onset and a higher incidence of more malignant tumors after being treated with mutagenic or non-mutagenic carcinogens. By empowering you to complete carcinogenicity testing on a significantly faster timeline, Taconic rasH2 models greatly reduce your costs and help to minimize the risk of false positives as a result of spontaneous tumors.

REFERENCES

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The NOG Portfolio

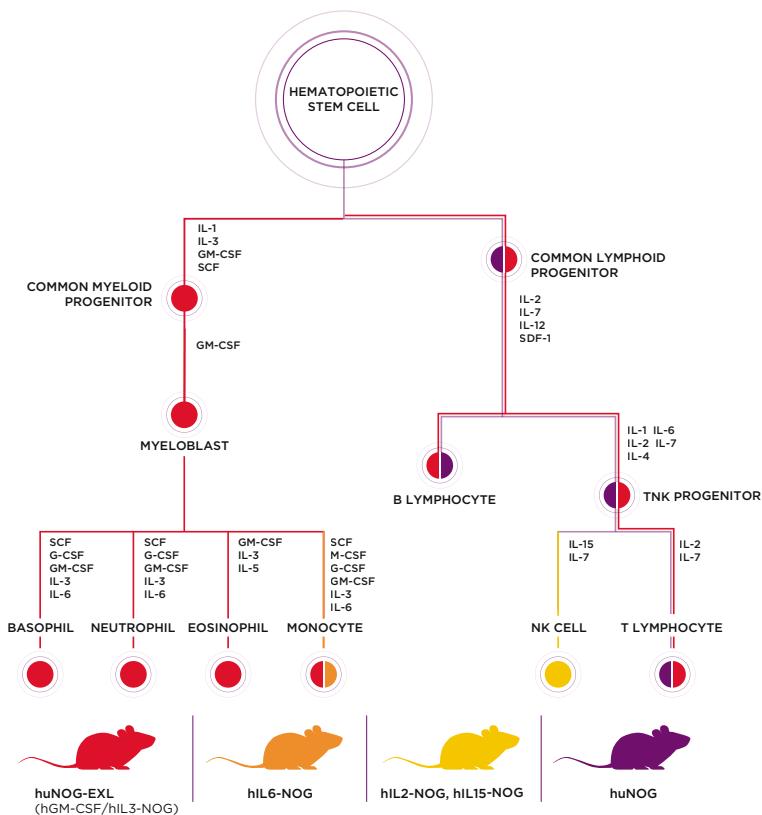
Products and Services

An exclusive portfolio of models for immuno-oncology and other applications

The development of animal models capable of mimicking human immune responses is crucial to study the pathophysiology of disease and to generate new therapeutic methodologies. Significant advances in immunology modeling have been made utilizing the super immune-deficient CIEA NOG mouse®, but the full application of engrafted human immune models depends upon overcoming some cross-species differences.

The NOG Portfolio includes key strains designed to overcome limitations in existing human immune system models.

THE CIEA NOG mouse®



- ▶ The original super immune deficient mouse with unparalleled potential for engraftment of human cells and tissues. www.taconic.com/nog
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- ▶ Applications in research involving cancer, infectious disease (HIV, malaria), immuno-oncology, CAR-T, iPS, and humanized immune system engraftment
- ▶ Now available pre-engrafted with human hematopoietic stem cells as huNOG, available for immediate delivery with validated immune system humanization
- ▶ Available engrafted with human peripheral blood mononuclear cells (PBMCs) as huPBMC-NOG, made-to-order and shipped 1 week after engraftment

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

- ▶ NOG mouse expressing human GM-CSF and IL-3
- ▶ Supports higher overall engraftment and superior myeloid cell differentiation after human HSC engraftment
- ▶ May be a suitable host for human acute myeloid leukemia (AML) xenografts
- ▶ Now available pre-engrafted with human hematopoietic stem cells as huNOG-EXL, available for immediate delivery with validated immune system humanization

The NOG Portfolio

Products and Services (continued)

hIL-2 NOG

- ▶ Super immunodeficient NOG mouse expressing human IL-2 cytokine
- ▶ May be used for studying tumor infiltrating lymphocytes (TIL) and adoptive cell therapies
- ▶ Predominant differentiation of human NK cells following human HSC engraftment
- ▶ May be used for studying CD8+ T cell-mediated GvHD
- ▶ May be a suitable host for human NK cell engrafting

hIL-15 NOG

- ▶ Super immunodeficient NOG mouse expressing human IL-15 cytokine
- ▶ Predominant differentiation of human NK cells following human HSC engraftment compared to the base NOG mouse, but survival time is limited
- ▶ Engraftment and expansion of human NK cells following engraftment with CD56+ NK cells derived from PBMCs
- ▶ Supports superior NK cell expansion following human PBMC engraftment

hIL-6 NOG

- ▶ NOG mouse expressing human IL-6 cytokine
- ▶ May be a suitable host for human multiple myeloma (MM) xenografts
- ▶ Enhanced expansion of human monocytes following human HSC engraftment
- ▶ Increased tumor-associated macrophage (TAM) infiltration in tumor xenografts following human HSC engraftment

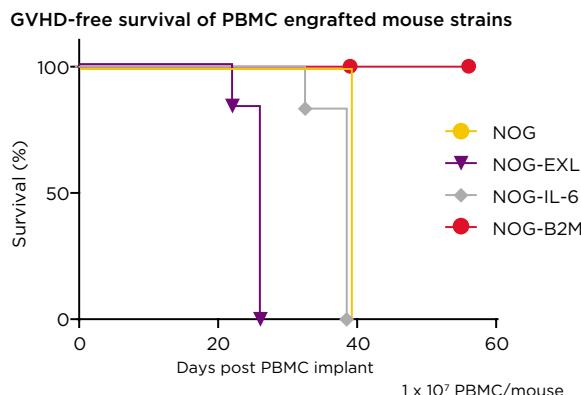
B2m-NOG

- ▶ NOG mouse with an additional knockout of the B2m gene which disrupts MHC class I antigen presentation
- ▶ Compared to NOG, B2m-NOG mice have markedly delayed GvHD onset after human PBMC engraftment, providing an expanded study window (8+ weeks). This vastly increases the utility of the model in immuno-oncology experiments.
- ▶ B2m-NOG mice can successfully engraft human PBMCs and tumors

TK-NOG

- ▶ Super immunodeficient NOG mouse with transgenic expression of thymidine kinase under control of liver-restricted albumin promoter
- ▶ Useful for humanizing liver via engraftment with human hepatocytes and/or humanizing immune system via engraftment of human immune cells/tissues or hematopoietic stem cells
- ▶ Inducible ablation of murine hepatocytes by ganciclovir treatment enables stable, long-term engraftment of human hepatocytes
- ▶ The premiere model for human liver toxicity, metabolism, and infectious disease

B2m-NOG MICE HAVE EXTENDED SURVIVAL FOLLOWING HUMAN PBMC ENGRAFTMENT



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Exclusive Immuno-Oncology Technologies

Products and Services

Traditional xenograft models are not suitable for immuno-oncology studies because they lack the relevant immune cell types. Taconic offers key animal models for immuno-oncology studies, including well-defined inbred strains for syngeneic studies and humanized immune system mice.

STRAINS FOR SYNGENEIC STUDIES

- ▶ C57BL/6
- ▶ BALB/c
- ▶ C3H
- ▶ DBA/2
- ▶ B6.SJL-Ptprc^a

Many models available at Opportunistic Free™ or Excluded Flora health standards for co-housing with immunodeficient animals.

GEMS FOR SYNGENEIC MODELING, ADOPTIVE CELL TRANSFER AND T CELL BIOLOGY

- ▶ B2m knockout (MHC Class I deficient)
- ▶ Rag2 knockouts (B and T cell deficient)
- ▶ Rag2/OT-I (T cell receptor transgenic)
- ▶ Rag2/OT-II (T cell receptor transgenic)
- ▶ Jh (B cell deficient) now available both on C57BL/6 and BALB/c
- ▶ Fc receptor knockouts

Many GEMs available on the C57BL/6NTac background for a broad portfolio of adoptive transfer partners.

HOST FOR PATIENT-DERIVED XENOGRAFTS (PDX) AND CHIMERIC ANTIGEN RECEPTOR THERAPIES (CAR-T AND CAR-NK CELLS)

- ▶ NOG
- ▶ NOG-EXL (hGM-CSF/hIL-3 NOG)
- ▶ hIL-2 NOG
- ▶ hIL-6 NOG
- ▶ hIL-15 NOG

HUMANIZED IMMUNE SYSTEM ENGRAFTED MICE

- ▶ huNOG (human hematopoietic stem cell (HSC) engrafted NOG)
- ▶ huNOG-EXL (HSC engrafted NOG-EXL)
- ▶ huPBMC-NOG (human peripheral blood mononuclear cell engrafted NOG)
- ▶ huPBMC-B2m-NOG (human peripheral blood mononuclear cell engrafted B2m-NOG) offers a longer study window compared to huPBMC-NOG
- ▶ Cytokine transgenic NOG mice (hIL-2, hIL-6, hIL-15) may be humanized to study development of particular human immune cell types such as NK cells

HLA MODELS FOR CANCER VACCINE RESEARCH AND TCR IDENTIFICATION

- ▶ HLA-A1
- ▶ HLA-A11
- ▶ HLA-A21
- ▶ HLA-A24
- ▶ HLA-B7
- ▶ HLA-B44
- ▶ HLA-DR4

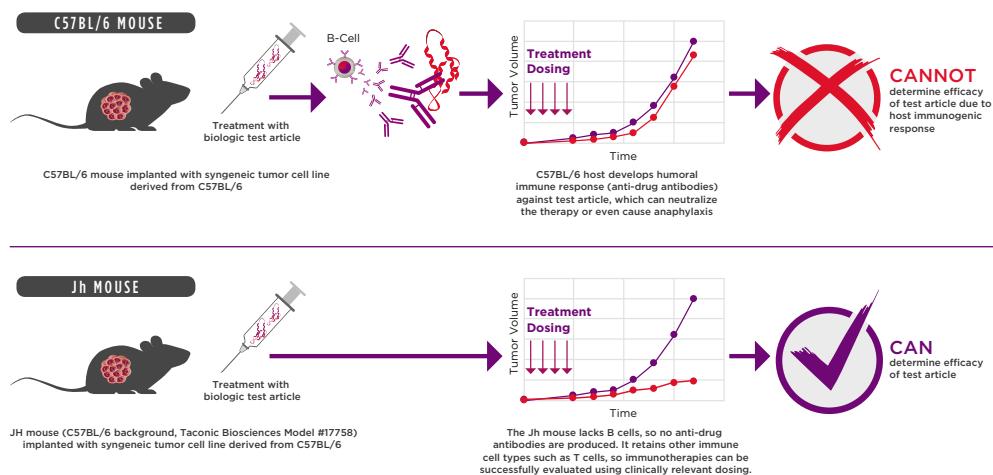
Exclusive Immuno-Oncology Technologies

Products and Services (continued)

Now introducing a new version of the Jh mouse on C57BL/6

AVAILABILITY ON BOTH C57BL/6 AND BALB/C STRAIN BACKGROUND PERMITS USE OF THIS MODEL WITH THE MOST POPULAR SYNGENEIC TUMOR CELL LINES.

THE JH MOUSE PERMITS CLINICALLY RELEVANT DOSING OF IMMUNOGENIC TEST ARTICLES IN SYNGENEIC TUMOR MODEL SYSTEMS



The Jh mouse may be crossbred to other GEM strains such as genetically humanized PD-1 mice to further extend the utility of this system. Inquire for details on crossbreeding rights.

AVAILABLE ON TWO BACKGROUND STRAINS:

- ▶ Model # 17758 - Jh (C57BL/6)
- ▶ Model # 1147 – Jh (BALB/c)

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Exclusive Immuno-Oncology Technologies

Products and Services (continued)

CUSTOM GENETICALLY ENGINEERED MODELS

Taconic's Model Generation Solutions provides customized strategies for generating complex mouse and rat immuno-oncology models. Our expertise includes targeted knockout and replacement of a mouse gene with the human homologue – including both exons and introns – to create genetically humanized immuno-oncology mouse models that express the full diversity of alternate transcripts for studying human therapeutic targets such as checkpoint inhibitor receptors. Other advanced solutions include partial humanization of single targets (e.g. receptor extracellular domains) or complete humanization of multiple targets (e.g. receptors and cognate ligands). Count on Taconic's team of model generation experts to successfully deliver high quality genetically humanized models for use in diverse applications such as syngeneic tumor models and off-target analysis.

Our deep expertise extends beyond genetic humanization using genomic replacement technology. We can combine our advanced capabilities in CRISPR/Cas9 and Easi-CRISPR gene editing with our diverse

portfolio of existing off-the-shelf models to generate new models based on these well-characterized strains. The possibilities for modifying custom (complex) genetic backgrounds include our NOG portfolio and other immunodeficient strains and extends to custom GEMs that you have previously generated.

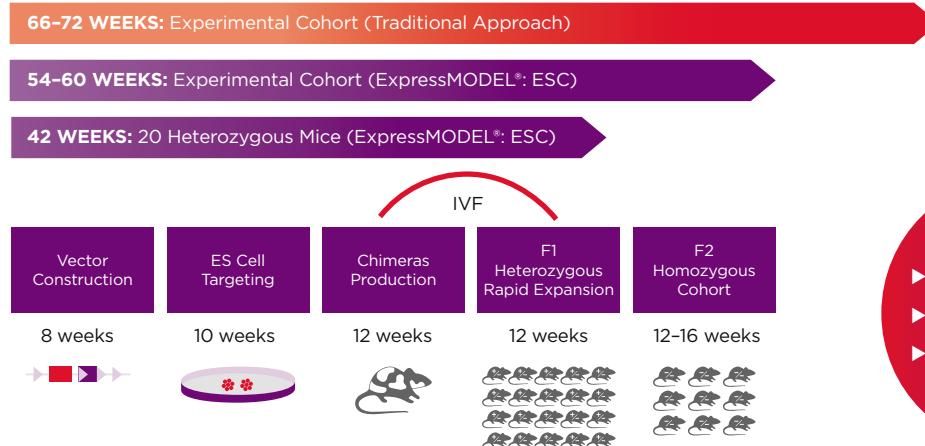
Taconic is the only provider in the industry to offer integrated Custom Model Generation and Colony Management Solutions. Our end-to-end platform provides the ease, speed, and continuity of a one-stop shop, giving you access to seamless, hands-free transition of your model from the generation phase to the management phase. In combination with our exclusive ExpressMODEL®: Embryonic Stem Cell (ESC) technology, the timeline of model generation to production of experimental cohorts is accelerated, saving 3-4 months on the overall project timeline.

Please contact us to learn how to incorporate our comprehensive gene modification toolkit, extensive experience, and licensing advantages into your research pipeline.

TACONIC'S ExpressMODEL®: EMBRYONIC STEM CELL (ESC)

MODEL GENERATION TO COLONY MANAGEMENT WITH SPEED AND SCALE

ExpressMODEL®: ESC is a novel approach to accelerate the timeline of model generation to production of experimental cohorts. This cost-effective method rapidly expands the founder mice, thereby increasing the number of mice carrying the targeted allele in the first generation from 3-4 to at least 20-30. By providing a sizeable colony of heterozygous animals in the first generation, ExpressMODEL®: ESC allows researchers to skip at least one round of colony expansion, thereby saving 3-4 months on the overall project timeline.



- ▶ Saves time
- ▶ Complies with 3 Rs
- ▶ Saves money

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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

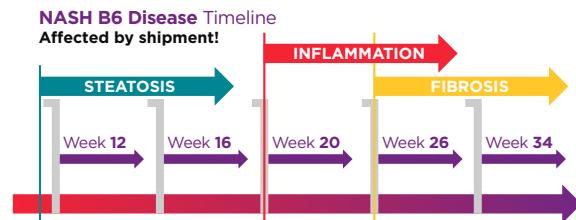
- ▶ Taconic maintains an inventory of C57BL/6NTac male mice conditioned on a modified Amylin liver NASH (AMLN) diet with 40 kcal% fat, 20 kcal% fructose and 2% cholesterol. In stock up to 26 weeks on diet.
- ▶ Becomes obese and develops fatty liver, liver inflammation and fibrosis after 26 weeks on diet
- ▶ 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/6NTac 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. Our Murine Biospecimen Services (MBS) provides general tissue and biospecimen collections which include 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.

Model Generation Solutions

Precise, translatable, genetically-engineered animal models for preclinical research and drug discovery.

Creating custom rodent models can be technically challenging, time-consuming, and expensive. When you need a custom model to take your research to the next level, Taconic has the experience and expertise to make sure it is done right, while saving you valuable time and resources.

CUSTOM MICE TO FIT YOUR NEEDS

GENE INACTIVATION: Identify the role of specific genes, gain important insights into mechanisms of human disease, and speed drug discovery with exclusive commercial rights to the tamoxifen-inducible CreER gene switch

- ▶ Constitutive KO
- ▶ Conditional KO
- ▶ Conditional KO with CreER gene switch

GENE MUTATION/REPLACEMENT: Model human disease, follow gene expression, identify gene transcriptional regulatory elements, generate custom Cre lines, and more...

- ▶ Constitutive KI
- ▶ Constitutive KI
- ▶ Conditional KI
- ▶ Conditional KI with optional Conditional KO

GENETIC HUMANIZATION: Replace mouse genes with their human orthologs for compound testing, or model a human physiological process in a mouse. Capitalize on Taconic's large genomic replacement capabilities.

- ▶ Humanization
- ▶ Humanized KI with a conditional KO option

GENE EDITING: Cost-effectively reduce timelines for point mutations, knockout, and small genetic modifications with Taconic's most advanced CRISPR/Cas technology, licensed through patent holder the Broad Institute

- ▶ CRISPR/Cas9

TRANSGENE EXPRESSION: Evaluate the functional role of genes in specific disease processes through overexpression of genes in transgenic models

- ▶ Targeted Transgenesis
- ▶ Conditional Targeted Transgenesis
- ▶ Random Transgenesis – Pronuclear Injection

INDUCIBLE/REVERSIBLE CONTROL OF GENE FUNCTION: Leverage RNAi gene knockdown for studies which require transient down-regulation of genes. Apply inducible miRNA overexpression to learn about functional roles of microRNA in an *in vivo* setting

- ▶ Inducible *in vivo* RNAi gene knockdown
- ▶ Inducible miRNA overexpression

Model Generation Solutions

Continued

TACONIC BIOSCIENCES HAS THE EXPERIENCE

With over twenty years of experience, Taconic is the global leader in custom model generation. Our goal is to leverage the right technology to deliver the right model, so that our customers can drive their research forward. To do this, Taconic combines the most comprehensive gene modification toolkit in the industry, with the exclusive 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 do CRISPR 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 even the most difficult projects, including large insertions.

The model that Taconic generates for you belongs to you. Taconic is fully-licensed to provide all gene modification services and holds CRISPR licenses from both UC Berkley (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.

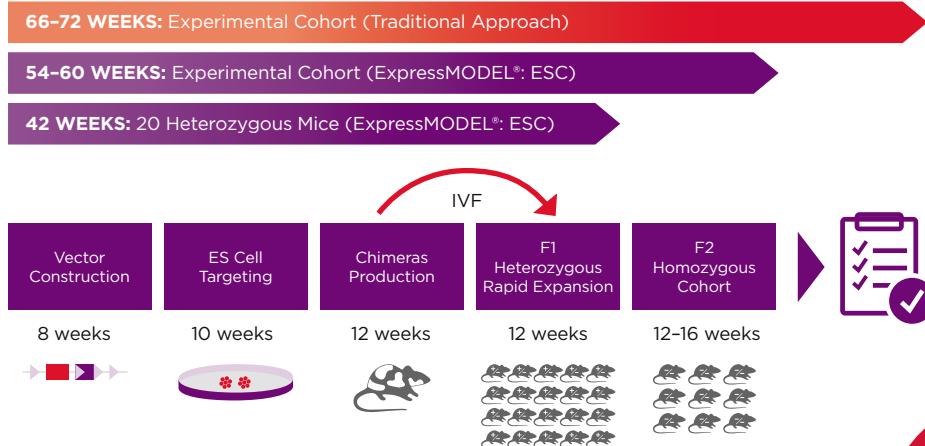
Being the only commercial provider of both model generation and colony management services allows Taconic to offer exclusive services like ExpressMODEL®: Embryonic Stem Cell (ESC) which can reduce the time to experimental cohort by up to four months.

Join the hundreds of companies and institutions that have turned to Taconic for knowledge and expertise, best-in-class cloning, commitment to quality, excellent project management, and integrated model generation and colony management capabilities.

ExpressMODEL®: EMBRYONIC STEM CELL (ESC)

A NOVEL APPROACH TO ACCELERATE THE TIMELINE TO RESULTS

Obtain Results Up to Four Months Faster Than Traditional Model Development



BENEFITS OF ExpressMODEL®: ESC

- ▶ Skip one mouse generation to the generation of the first experimental cohort
- ▶ More predictable timelines not dependent on natural breeding of chimeras
- ▶ Possibility to scale up or down deliverables, depending on customer needs
- ▶ Generation of the colony at the desired health status

- ▶ Saves time
- ▶ Complies with 3 Rs
- ▶ Saves money

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Colony Management Solutions

Solutions to complex challenges

Breeding is resource intensive and success is crucial.

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
- ▶ Rapid Expansion
- ▶ 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 GEMs Management distinguishes us in the industry. Our Portfolio & Project Management strategy maximizes resources, improves efficiency, and produces results. 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 efficient project management and continuous progress toward your goals. Your progress can be tracked 24/7 using our eTACONIC® portal, and our scientists 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.

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.

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Colony Management Solutions

Solutions to complex challenges (continued)

Contact us today to discuss your goals with our scientists. Visit: Taconic.com

Molecular Analysis

- ▶ Comprehensive platform of genotyping and genetic analysis.
- ▶ Exclusive partnership with Transnetyx, the worldwide leader in rodent genotyping services.
- ▶ Partnership with Cergentis, providing Trans-gene Mapping Analysis.

Embryology and Cryopreservation

- ▶ Rederivation capabilities for multiple mouse and rat strains to reset a colony's health status.
- ▶ Rapid Expansion from donor animals or frozen material to quickly scale up your colony.
- ▶ 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.
- ▶ Catheterization and cannulations that allow repeated dosing and/or sampling.
- ▶ 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.
- ▶ Select from six distinct health profiles for your project.
- ▶ Web-based reporting for convenient 24/7 access.

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:** Your Scientific Program Manager will be your scientific contact, responsible for ensuring your project design is positioned to reach breeding goals.

- ▶ **Project Manager:** Your dedicated Project Manager has been trained to have the skills and expertise to manage your project effectively. They will serve as your point of contact, responsible for monitoring, change control, and issue elevation on your project.
- ▶ **Genetic Sciences:** Your team of experienced scientists will review your breeding design to ensure accuracy and audit your project on a predetermined schedule.

ELECTRONIC DATA MANAGEMENT

eTACONIC® allows our Scientific Services customers to have secure, 24/7/365 access to their Colony Management and Model Generation project data and reports in real time across your organization.

Principal Investigators

- ▶ Ease of access to information
- ▶ 24/7 visibility
- ▶ Real time inventory status
- ▶ Monthly project status updates

Procurement Managers

- ▶ Historical spending reports
- ▶ No need to download and manipulate data, inventory reports available on the customer dashboard
- ▶ Better predict, plan, and manage resources

Outsourcing Managers

- ▶ Information continuity across projects, PIs, and time
- ▶ Single source of Taconic project records
- ▶ Can also serve as an important repository of intellectual property documentation

Veterinarians

- ▶ Immediate access to colony genetic and health reports
- ▶ Full transparency on adverse phenotype information

Partner with Taconic to design, develop, and breed high-quality humanized, CRISPR, and genetically engineered mouse and rat models.

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Microbiome Research Services

Only comprehensive provider of microbiome product and service solutions

The microbiome is redefining how scientists are approaching drug discovery and basic research. Taconic Biosciences is leading the way.

GERM-FREE MODELS AVAILABLE

- ▶ BALB/c
- ▶ Black 6 (B6)
- ▶ Swiss Webster
- ▶ II10 Knockout

THE GERM-FREE SHIPPER

- ▶ 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

SERVICES

- ▶ Germ-free derivations
 - ▶ Derive any mouse model as germ-free
- ▶ Custom Microbiota Associations
 - ▶ Use human samples or defined bacterial compositions to generate study cohorts
- ▶ TruBIOME®
 - ▶ 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 has decades of germ-free experience. We've put that experience on the record, with protocols and videos such as "Veterinary Care of Germ-Free Mice" and "Microbial Monitoring of GF Isolators" along with dozens of additional webinars and Insight blogs on the microbiome available online.

www.taconic.com/microbiome



EZcohort® Models

Obtaining the right Genetically Engineered Models (GEMs) in a simple, fast, and transparent way is essential to drive your research program forward.

Accessing cryopreserved lines can be cumbersome. To provide customers with valuable animal models without the burden of lengthy legal negotiations and undefined deliverables Taconic Biosciences has created the EZcohort® models collection to ensure easy access to a select group of GEMs. EZcohort® models are distributed under clear terms of use and **include rights to use, breed, and crossbreed in perpetuity**.



EASY ACCESS MEANS STARTING YOUR PROJECT SOONER

Purchasing EZcohort® models is fast and easy. Sign simple terms of sale and send in with a PO. It's just that easy.

The Deliverable

You receive a cohort of 4 mutants (at least heterozygous for all alleles) within 14-16 weeks of placing your order to jump-start your breeding colony.

Need more mice to start your research? **Contact us.**

Receiving breeders is just the start. Every EZcohort® order comes with accompanying support material. Upon purchase, you receive a colony maintenance instruction pack that includes:

- ▶ PCR genotyping protocol and links to genotyping outsource options
- ▶ Mating instructions
- ▶ SNP testing resources and advice to monitor genetic drift

HIGHLIGHTED EZcohort® MODELS:

- ▶ **β-actin-luc** - Model 10498
- ▶ **Ahr Knockout** Mouse
- ▶ **Brca1-Associated Breast Cancer** Model
- ▶ **Car Knockout** Mouse
- ▶ **CRE-Luc GPCR Reporter** Mouse, Line 11
- ▶ **CRE-Luc GPCR Reporter** Mouse, Line 187
- ▶ **CRE-Luc GPCR Reporter** Mouse, Line 64
- ▶ **Cyp2c Knockout** Mouse
- ▶ **ERKO-q**
- ▶ **ERKO-β**
- ▶ **Floxed Ink4a/Arf** Mouse
- ▶ **Floxed p53** Mouse
- ▶ **Human 15q13.3 Deletion [Df(h15q13)/+]** Mouse
- ▶ **Human 1q21.1 Deletion [Df(h1q21)/+]** Mouse
- ▶ **Humanized AHR** Mouse
- ▶ **Humanized CAR** Mouse
- ▶ **Humanized CYP2D6** Mouse
- ▶ **Humanized PXR** Mouse
- ▶ **Humanized PXR-CAR** Mouse
- ▶ **Myd88**
- ▶ **Nod2**

New EZcohort® models are added frequently, check our website for current offerings: Taconic.com

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Taconic Knockout Repository

The Taconic Knockout Repository's 4,000+ KO lines provide academic and commercial researchers worldwide with unparalleled access to fully licensed, knockout mouse models.

Our repository offers the scientific community immediate access to expertly derived, highly valuable research tools that rapidly accelerate translational research and the drug discovery and development processes. Eliminating the time associated with the design and development of these proven mouse models provides a tremendous competitive advantage.



DELIVERABLES

The KO Repository lines exist as cryopreserved materials. Cohorts can typically be produced and delivered to the customer within 14-16 weeks of order receipt. For most lines, the mouse ES cells used in generating the model are of the 129S5 strain. Lines are stored primarily as cryopreserved sperm on a mixed 129S5 x C57BL/6J-*Tyr^{c-Brd}* background. Lines are recovered using cryopreserved sperm and C57BL/6NTac oocyte donors. Some lines are stored as cryopreserved embryos and when revitalized will result in a 129S5 x C57BL/6J-*Tyr^{c-Brd}* background.

For standard orders clients will receive:

- ▶ A minimum of four (4) mutant mice, heterozygous for the selected mutation, on a mixed 129S5;B6 background
- ▶ Simple terms of sale provide rights to use, breed and crossbreed in perpetuity
- ▶ Validated genotyping protocols
- ▶ Animal health data

PRICING FOR TACONIC KNOCKOUT REPOSITORY

Gene Type	For-Profit	Non-Profit
Simple KO	\$20,000 €18,200	\$15,000 €13,650
cKO	\$30,000 €27,300	\$20,000 €18,200

Phenotypic Data Packages (price is per line)	For-Profit	Non-Profit
Basic phenotypic data package	\$5,000 €4,550	\$5,000 €4,550
Comprehensive phenotype data	\$10,000 €9,100	\$8,000 €7,280

Fees for Taconic Transit Cages and freight are in addition to the price above.

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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 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
- ▶ Sole vendor to test and report on Segmented Filamentous Bacteria (SFB)
- ▶ Only vendor to exclude mouse kidney parvovirus (MKPV). MKPV is excluded at all Taconic health standards.

WHAT IS SEGMENTED FILAMENTOUS BACTERIA?

Segmented Filamentous Bacteria (SFB) are gram-positive, spore-forming bacteria that were originally identified in the ilia of mice and rats. SFB is not a pathogen, but it does have a role in influencing development of the host immune system. Many disease models are now known to be impacted by the gut microbiome. Reproducibility is always a challenge in animal models, especially ones that may be influenced by the gut flora. To help researchers make better decisions about the animals they use in their studies, Taconic strives to provide as much information as possible about its models. While SFB is only one component of the gut microbiome, for many models

the impact could be significant. For that reason, Taconic includes SFB on its health reports and SFB is specifically excluded in its EF health status.

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 6 select opportunistic pathogens. Note that Taconic is phasing out most RF™ production in the US and Europe in favor of OF™ and EF.

Opportunist Free™ (OF™)

Free of rodent pathogens and 7 select opportunistic pathogens.

Excluded Flora (EF)

Free of rodent pathogens and 7 select opportunistic pathogens as well as Segmented Filamentous Bacteria, a normal rodent commensal organism shown to impact immune system development.

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™)	Excluded Flora (EF)	Defined Flora (DF)	Germ Free (GF)
Microorganisms	Accepted?	Accepted?	Accepted?	Accepted?	Accepted?	Accepted?
Commensal Microflora						
Altered Schaedler Flora	Yes	Yes	Yes	Yes	Yes	No
Dimorphic Yeast	Yes	Yes	Yes	Yes	Yes	No
Mold	Yes	Yes	Yes	Yes	Yes	No
Aerobic spore forming bacteria	Yes	Yes	Yes	Yes	Yes	No
Anaerobic spore forming bacteria	Yes	Yes	Yes	Yes	Yes	No
Non-spore forming rod bacteria	Yes	Yes	Yes	Yes	No	No
Cocci bacteria	Yes	Yes	Yes	Yes	No	No
Viruses						
Kilham Rat Virus (KRV)	No	No	No	No	No	No
Minute Virus of Mice (MVM)	No	No	No	No	No	No
Mouse Encephalomyelitis Virus (GDVII)/ Rat Theilovirus (RTV)	No	No	No	No	No	No
Mouse Hepatitis Virus (MHV)	No	No	No	No	No	No
Murine Norovirus (MNV)	No	No	No	No	No	No
Mouse Parvovirus (MPV)	No	No	No	No	No	No
Mouse Rotavirus (EDIM)	No	No	No	No	No	No
Pneumonia Virus of Mice (PVM)	No	No	No	No	No	No
Rat Coronavirus (RCV)/Sialodacryoadenitis Virus (SDAV)	No	No	No	No	No	No
Rat Minute Virus (RMV)	No	No	No	No	No	No
Rat Parvovirus (RPV)	No	No	No	No	No	No
Toolan's H1 Virus (TH1)	No	No	No	No	No	No
Ectromelia Virus	No	No	No	No	No	No
Hantaan Virus	No	No	No	No	No	No
K Virus	No	No	No	No	No	No
Lymphocytic Choriomeningitis Virus (LCM)	No	No	No	No	No	No
Mouse Adenovirus I and II (FL and K87)	No	No	No	No	No	No
Mouse Cytomegalovirus (MCMV)	No	No	No	No	No	No
Mouse Kidney Parvovirus (MKPV)	No	No	No	No	No	No
Polyoma Virus	No	No	No	No	No	No
Reovirus (Reo 3)	No	No	No	No	No	No
Sendai Virus	No	No	No	No	No	No
Thymic Virus	No	No	No	No	No	No
Lactate Dehydrogenase Elevating Virus (LDHV)	No	No	No	No	No	No
Bacteria, mycoplasma, fungi						
Beta hemolytic Streptococcus (non Group D)	Yes	No ¹	No ¹	No ¹	No	No
Bordetella bronchiseptica	No	No	No	No	No	No
Cilia Associated Respiratory Bacillus (CARB)	No	No	No	No	No	No
Citrobacter rodentium	No	No	No	No	No	No
Clostridium piliforme	No	No	No	No	No	No
Corynebacterium bovis ²	N/A	No	No	No	No	No
Corynebacterium kutscheri	No	No	No	No	No	No
Helicobacter spp.	No	No	No	No	No	No
Klebsiella oxytoca	Yes	No ¹	No ¹	No ¹	No	No
Klebsiella pneumoniae	Yes	No ¹	No ¹	No ¹	No	No
Mycoplasma pulmonis	No	No	No	No	No	No
Pasteurella multocida	Yes	No ¹	No ¹	No ¹	No	No
Pasteurella pneumotropica	No	No	No	No	No	No
Pneumocystis spp.	No	No	No	No	No	No
Proteus spp.	Yes	Yes	No ¹	No ¹	No	No
Pseudomonas aeruginosa	Yes	No ¹	No ¹	No ¹	No	No
Salmonella spp.	No	No	No	No	No	No
Staphylococcus aureus	Yes	No ¹	No ¹	No ¹	No	No
Streptococcus pneumoniae	No	No	No	No	No	No
Segmented Filamentous Bacteria (SFB)	Yes	Yes	Yes	No ¹	No	No
Streptobacillus moniliiformis	No	No	No	No	No	No
Parasites						
Endoparasites	No	No	No	No	No	No
► Encephalitozoon cuniculi	No	No	No	No	No	No
Ectoparasites	No	No	No	No	No	No
Enteric Helminths	No	No	No	No	No	No

1 When detected, this organism will be eliminated from the Barrier Unit via a test and cull procedure or recycling of the colony.

2 Testing not performed in MPFT™ colonies.

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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 Biosciences is transitioning all RF™, OF™, and EF locations 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.

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 (some RF™, OF™, and EF colonies) or monthly (static cage RF™, OF™, EF colonies), but this varies by agent.

OPPORTUNIST SCREENING

Monthly culture-based screening to detect non-tolerated opportunists at the RF™, OF™, and EF standards.

IVC PCR TESTING

Additional cage level testing of line animals via PCR in locations using IVC housing. This added screening uses 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.

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.

ISOLATOR MICROBIAL MONITORING

Culture-based screening to detect bacterial and fungal contamination of gnotobiotic isolators (aerobic and anaerobic culture).

16S BACTERIAL RNA SCREENING

16S PCR screening in Germ Free isolators to detect bacterial RNA. 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	16S Bacterial RNA 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™, OF™, EF (static caging locations)	Yes	Yes	N/A	N/A	N/A	N/A
RF™, OF™, EF (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. This applies to MPF™ locations and RF™, OF™, EF locations at Taconic's Asian partner facilities.

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Genetic Integrity and Model Harmonization

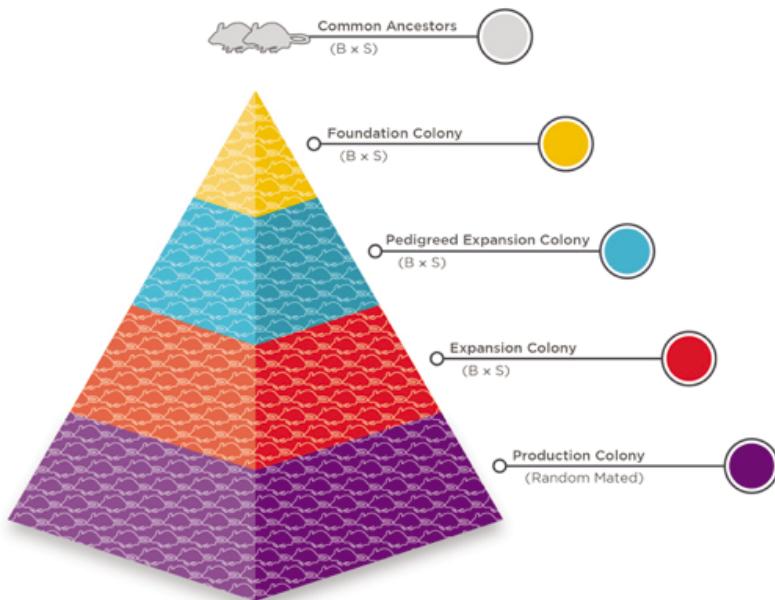
Taconic's pledge to provide laboratory mice and rats of the highest possible health integrity is only part of our overall quality commitment to our customers.

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 Management Harmonization Programs allow us to achieve these two fundamental quality-control goals.

COLONY MANAGEMENT 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 Poiley system (Poiley, 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

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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 embryos cryopreserved from strains and stocks that it provides. 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 back-crosses 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

Genetic Integrity and Model Harmonization

Continued

markers for rats. The SNP profile obtained is compared and verified with the line's historical information.

- ▶ **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 2 levels: operational level auditing and automated data monitoring. In operational auditing, inventories will be audited. The automated 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	INCHEM
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	INCHEM
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	INCHEM
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	INCHEM
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.

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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 molded polypropylene #5 plastic 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.

PLACING ANIMALS INTO A GERM-FREE SHIPPER

Germ-free animals at Taconic are housed in isolators that follow strict gnotobiotic techniques for entry of animals and autoclaved supplies. To move animals from an isolator to a germ-free shipper takes careful maneuvering. One end of the shipper sleeve is connected to the isolator and empty animal cages (pre-positioned in the shipper) are carefully moved from the shipper to the isolator.

The animals located in the isolator are placed into the cages in accordance with prescribed densities. The cages are then moved back into the germ-free shipper, which is then disconnected from the isolator and sealed. The animals are never exposed to outside air; only filtered isolator air and then air from the filtered opening of the germ-free shipper.

Animal Shipping Products

Continued

Once animal cages have been placed in the germ-free shipper, the shipper is placed in a clear plastic box for transport to its destination. See below for instructions on how to correctly remove the animals from the germ-free shipper.

Orders for the germ-free shipper itself are fulfilled with pre-sterilized shippers. No additional sterilization is required upon receipt.

Watch the Taconic video "Flexible Film Isolator Demonstration" at taconic.com to see a detailed demonstration.

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)

REMOVAL OF ANIMALS FROM A TACONIC GERM-FREE SHIPPER

Note: This procedure is easier to perform with two people.

1. Withdraw vinyl shipper from the plastic shipping carton. Use care to keep cages and oval filter upright.
2. Open end of connecting sleeve:
 - ▶ Unfold sleeve and remove yellow vinyl tape that was folded and sealed prior to shipment.
 - ▶ When open, the sleeve is compatible with a standard 12" diameter isolator port.
3. Swab inside of sleeve and the face of the Mylar diaphragm with a sterilant using caution to not apply too much pressure to Mylar diaphragm.

4. Pull sleeve partway onto the swabbed port of the destination isolator. Secure the shipper sleeve to the port with tape, making a complete tape seal of the shipper to the destination isolator port. Ensure that half of the tape is on the shipper sleeve and half of the tape is on the port.
5. Remove plug from nipple on germ-free shipper sleeve. Place nozzle of sterilant atomizer against nipple and spray sleeve portion of shipper with sterilant to give a balloon-like effect until the sleeve is inflated. Quickly replace plug into nipple, maintaining sterilant positive pressure.
6. After the appropriate contact time for the sterilant, ensure that isolator port cap remains bubbled in toward isolator interior, ensuring that sleeve-port connection is not breached. Next remove the exterior yellow tape from the circumference of the Mylar diaphragm.
7. Carefully work the Mylar diaphragm within the germ-free shipper to a horizontal position (using external manipulation).
8. From within isolator, remove isolator port cap. Pull the Mylar diaphragm through the port and into the isolator.
9. Rotate the cages within the shipper and slide toward the isolator port (using external pressure).
10. Pull in cages and remove the bands that are securing the cage lids.
11. Have a sterile vial with a small amount (1-2 ml) of sterile water in it ready for sample collection. Dip a sterile swab into the vial and dampen it with water. Swab several of the animals' coats and the interior of the cage; place the swab into the vial. Collect feces and a small amount of bedding from the cage and place it in the vial with the swab and water. Transport the vial to your laboratory and test for all aerobic and anaerobic growth according to standard procedures.
12. Remove the animals and place in isolator caging.
13. Replace isolator port cap. Remove germ-free shipper from exterior port.

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Animal Shipping Products

Continued

TACONIC TRANSIT CAGE™ PRICING

Item Number	Description	Price (\$/€)
CON_TTC_CLR	TTC™ with Low Clear Lid	\$46 €48
CON_TTC_CLRHIGH	TTC™ with High Clear Lid	\$46 €48

TACONIC TRANSIT CAGE™ PARTS

Item Number	Description	Price (\$/€)
CON_LABEL	Live Animal Labels (pkg of 20)	\$14 €12
CON_GEL	Gel Pouch (8 ounces)	\$7 €13
CON_DIV	Plastic Dividers for Low Lid	\$7 €8
CONHI_DIV	Plastic Dividers for High Lid	\$7 €8
CON_SEC_TIES	Security Ties (pkg of 100)	\$12 €10
CON_TTC_BOT	Cage Bottom	\$21 €23
CON_TTC_LO/CL	Clear Low Lid	\$22 €23
CON_TTC_HI/CL	Clear High Lid	\$22 €23

GNOTOBIOTIC EQUIPMENT PRICING

Item Number	Description	Price (\$/€)
CON_GF	Germ-free Shipper	\$820 €738
FEE_CON_GF	Germ-free Shipper when shipped with Taconic germ-free animals	\$410 €329

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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 \$3.00 or €3.00/animal. This fee will not apply to Sprague Dawley® rats except when the span is less than 25 grams.

Mice can be ordered with a minimum 3 gram span (i.e. 10-13 grams) and rats with a minimum 10 gram span (i.e. 200-210 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 \$3.00 or €3.00 animal.

BIRTH DATES

Week of birth and source barrier unit identification are provided on shipping labels. For exact "date of birth" requests on Traditional Models, place orders prior to the needed birth date.

Week of birth (Date of birth +/- 3 days): No Charge

Exact date of birth: \$6.00 or €8.00/animal (for Murine Pathogen Free™ traditional models. Please inquire for pricing for other models or health designations.)

RETIRIED 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. 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.

Ordering Information

Continued

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 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 rats at a specified developmental age for delivery on a specific date, Taconic technicians select rats 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. For additional information on Taconic's timed pregnant rats and suggestions for ordering, see our Sprague Dawley® section. 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.

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.

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
Traditional Models	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
Spontaneous Mutant Models	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
Special Setups, Exact Date of Birth and Time Pregnant Orders	Before breeders are setup or isolated
Germ-Free Models	2 weeks prior to ship date
Taconic Transgenic Models™	4 weeks prior to ship date
Emerging Models	4 weeks prior to ship date
Precision Research Models: Human Immune System Engrafted Mice	4 weeks prior to ship date
Surgically Modified Models	By 6 p.m. ET, one business day prior to animals transferred to surgery
Aged Animals 13 weeks	Prior to animals reaching 13 weeks of age
Embryo Derivations and Cryopreservation	Prior to animals arriving at Taconic
Molecular Analysis	Prior to receipt of samples
Animal Health Testing	Prior to receipt of samples
Custom Breeding Projects	Prior to project initiation
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.

"PRODUCT(S)" means biological materials and their derivatives supplied by TACONIC.

"SERVICES" 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. Such special terms and conditions shall also govern the sale of applicable MODELS, PRODUCTS and SERVICES by TACONIC, and by its agents and distributors.

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) day time 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

for Taconic Models, Products and Services (continued)

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.

DELIVERY

MODELS and PRODUCTS are delivered FCA (Incoterms 2020) to CUSTOMER's named location, however 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. 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.