

# STOCK Tg(CMV-rtTA)4Bjd/J Stock No: 003273

Transgenic

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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tetracycline response element (TRE) to study the target gene expression effects under tissue-specific, dox-inducible regulation.

#### **Donating Investigator**

Dr. Hermann Bujard, Universit¿t Heidelberg

Genetic Background Ger					
Гg(CMV-rtTA)4Bjd					
Allele Type					
ransgenic (Transactivator)					
	,	V I E W	GENETI	C S	
		V 1			

#### **RESEARCH APPLICATIONS**

Research Tools

BASE PRICE Starting at:	
\$2,854.50 Domestic price Cryo Recovery	
	VIEW PRICE LIST
<ul><li>Details</li></ul>	
<ul> <li>Detailed Description</li> </ul>	
reverse tetracyline-controlled transactivator (P hCMV). When these mice are mated to a promoter element (TRE; tetO), luciferase of doxycycline (dox) in organs and tissues what to no luciferase expression is induced in timice may be mated to strains containing a	fertile, and display no overt phenotype. These mice carry the gene encoding the or protein (rtTA) under the control of a human cytomegalovirus early promoter a strain carrying a luciferase reporter gene coupled to a tetracycline-responsive expression in the bitransgenic offspring is induced up to 10 <sup>5</sup> -fold by treatment with here P hCMV is known to be active, (i.e. muscle, kidney, thymus and pancreas). Little issues where P hCMV is not active (i.e. lung, brain, liver and lymphocytes). These a gene of interest coupled to a TRE to study the target gene expression effects ation. Dox may be administered in the animals' water supply.
• Development	
Expression Data	
◆ Control Suggestions	
• Selected References	
<ul><li>Genetics</li></ul>	
• Tg(CMV-rtTA)4Bjd	
<ul><li>Disease/Phenotype</li></ul>	
Disease Terms	

- Research Areas By Phenotype
- Mammalian Phenotype Terms by Genotype
- References

# Technical Support

#### CONTACT TECHNICAL SUPPORT

Genotyping Protocols

Probe:Generic tTA/rtTA

QPCR:Tg(tTA)

Standard PCR:Tg(tTA)
Standard PCR:Tg(tTA)

Genotyping resources and troubleshooting

### **Breeding Considerations**

When maintaining a live colony, homozygous mice are bred together. As this strain is on a mixed genetic background, black, albino and agouti coat colors may appear.

#### Additional Breeding and Husbandry Support

Appearance

agouti

Related Genotype: A/+

black

Related Genotype: a/a

albino

Related Genotype:

Citation

When using the STOCK Tg(CMV-rtTA)4Bjd/J mouse strain in a publication, please cite the originating article(s) and include JAX stock #003273 in your Materials and Methods section.

#### Animal Health Reports

Facility Barrier Level Descriptions

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200

Pricing & Availability



Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

**Domestic** Internation

SERVICE/PRODUCT

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

DESCRIPTION PRICE

Cryo Recovery Hemizygous or Non carrier for Tg(rtTAhCMV)4Bjd

\$2,854.50

#### RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo

STOCK Tg(CMV-rtTA)4Bjd/J Frozen Embryo

\$2595.00

#### PAYMENT TERMS AND CONDITIONS

Terms are granted by individual review and stated on the customer invoice(s) and account statement. These transactions are payable in U.S. currency within the granted terms. Payment for services, products, shipping containers, and shipping costs that are rendered are expected within the payment terms indicated on the invoice or stated by contract. Invoices and account balances in arrears of stated terms may result in The Jackson Laboratory pursuing collection activities including but not limited to outside agencies and court filings.

#### THE JACKSON LABORATORY'S GENOTYPE PROMISE

The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. **Therefore**, **we cannot guarantee a strain's phenotype will meet all expectations**. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project. We do not guarantee breeding performance and therefore suggest that investigators order more than one breeding pair to avoid delays in their research.



#### TERMS OF USE

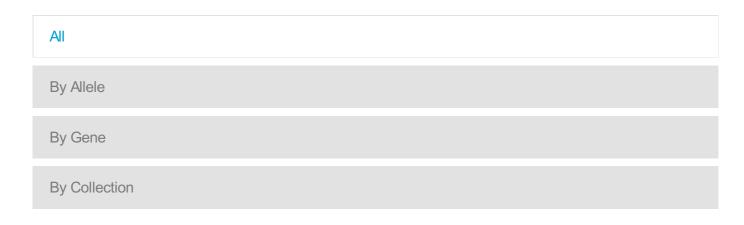
**General Terms and Conditions** 

QUESTIONS ABOUT TERMS OF USE

#### LICENSING INFORMATION

Phone: 207-288-6470 Email: TechTran@jax.org

## Related Strains







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