

## STOCK Tg(CAG-Bgeo/GFP)21Lbe/J

Stock No: 003920 | Z/EG

 Transgenic

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

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in liver and lung tissue. When crossed with a Cre recombinase-expressing strain, *lacZ* expression is replaced with *GFP* in tissues expressing *cre*.

### Donating Investigator

Corrinne Lobe, Sunnybrook & Women's College HSC

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(CAG-Bgeo/GFP)21Lbe

#### Alele Type

Transgenic (Conditional ready (e.g. floxed), Reporter)

VIEW GENETICS

## RESEARCH APPLICATIONS

Research Tools

VIEW ALL RESEARCH APPLICATIONS

## BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

V I E W   P R I C E   L I S T

### Details

#### Detailed Description

These Z/EG transgenic mice constitutively express *lacZ* under the control of the CMV enhancer/chicken actin promoter. Expression is widespread with notable exceptions being liver and lung tissue. Expression is observed throughout all embryonic and adult stages. When crossed with a Cre recombinase-expressing strain, *lacZ* expression is replaced with enhanced *GFP* expression in tissues expressing *cre*. This double reporter system makes it possible to distinguish a lack of reporter expression from a lack of Cre recombinase expression while providing a means to assess *cre* excision activity in live animals and cells. Although homozygotes are viable, attempts to breed homozygous mice proved unsuccessful.

#### Development

#### Expression Data

#### Control Suggestions

#### Selected References

### Genetics

#### Tg(CAG-Bgeo/GFP)21Lbe

### Disease/Phenotype

#### Disease Terms

#### Research Areas By Phenotype

- Technical Support

C O N T A C T   T E C H N I C A L   S U P P O R T

Genotyping Protocols

Probe:[Fluorescent Proteins \(Generic GFP\)](#)

Standard PCR:[Fluorescent Proteins \(Generic GFP\)](#)

[Genotyping resources and troubleshooting](#)

Breeding Considerations

When maintaining a live colony, hemizygous mice are bred with wildtype (noncarrier) mice. Although homozygotes are viable, attempts to breed homozygous mice proved unsuccessful.

[Additional Breeding and Husbandry Support](#)

Mating System

Noncarrier x Hemizygote

Appearance

Mice from this stock are albino

Citation

When using the Z/EG mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #003920 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



Cryo  
Recovery

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

Domestic | International

Pricing effective for USA, Canada and Mexico shipping destinations

CRYORECOVERY - DOMESTIC PRICING

SERVICE/PRODUCT	DESCRIPTION	PRICE
<a href="#">Cryo Recovery</a>	Hemizygous or Non carrier for Tg(CAG-Bgeo/GFP)21Lbe	\$2,854.50

## 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

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Q U E S T I O N S   A B O U T   T E R M S   O F   U S E

### LICENSING INFORMATION

Phone: 207-288-6470

Email: [TechTran@jax.org](mailto:TechTran@jax.org)

## Related Strains

All

By Allele

By Gene

By Collection



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# TOMORROW'S CURES



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