

## B6;SJL-Tg(c177-lacZ)226Bri/J

Stock No: 002369 | Zfy-1/lacZ

 Transgenic

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

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### Donating Investigator

Dr. Ralph Brinster, University of Pennsylvania

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## GENETIC OVERVIEW

Genetic Background

Generation

### Tg(c177-lacZ)226Bri

#### Alele Type

Transgenic (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

Transgenic mice show a strong expression of the *lacZ* gene in round spermatids and subsequent stages of spermatogenesis. These mice can be used as a source of germ cells and transplanted into busulfan treated mice (busulfan (40 mg/kg i.p.) destroys spermatogenic stem cells). *LacZ* serves as a reporter for the transplanted cells. Following transplantation, spermatogonia with stem cell potential establish themselves on the basal membrane of the recipient seminiferous tubule and begin to replicate. This strain has a higher copy number of the transgene than the TgN(c177lacZ)227Bri strain and may be distinguished from it by a dot blot. Cells from these two lines may therefore be mixed prior to injection and be distinguished from each other in the progeny.

### Development

### Expression Data

### Control Suggestions

### Selected References

## Genetics

### Tg(c177-lacZ)226Bri

## Disease/Phenotype

### Disease Terms

### Research Areas By Phenotype

### Mammalian Phenotype Terms by Genotype

- 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

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain can be maintained by homozygous sibling matings. The genetic background is a mixed C57BL/6J x SJL. The expected coat color is black.

[Additional Breeding and Husbandry Support](#)

Appearance

black

Related Genotype: *a/a*

Citation

When using the Zfy-1/lacZ mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #002369 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 for Tg(c177-lacZ)226Bri	\$2,854.50

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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.

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### Terms Of Use

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#### 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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