

LT/SvEiJ

Stock No: **006252**

 **Inbred Strain, Spontaneous Mutation**

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

PLACE ORDER

[Email](#) [Download PDF](#) [Help](#)

Donating Investigator

Eva Eicher, The Jackson Laboratory

READ MORE +

GENETIC OVERVIEW

Genetic Background

Generation

VIEW GENETICS

RESEARCH APPLICATIONS

Cancer Research

Reproductive Biology Research

VIEW ALL RESEARCH APPLICATIONS

BASE PRICE

Starting at:

\$2,854.50 Domestic price Cryo Recovery

VIEW PRICE LIST

Details

Detailed Description

LT is an inbred strain derived from a C58 mouse, which was outcrossed to BALB/c. LT carries the spontaneous coat color mutation light (*B-It*), an arginine to cysteine substitution in tyrosinase-related protein 1 (*Tyrp1*). LT mice are characterized by a white hair shaft, brown hair tips and pigment dispersion in the iris of the eye. Approximately half of all females develop ovarian teratomas. Poor reproductive success in LT females is attributable to abnormalities in oocyte meiotic cell-cycle (specifically in the spindle assembly checkpoint), spontaneous parthenogenetic activation of oocytes, and the occasional occurrence of digynic triploidy.

Development

Control Suggestions

Genetics

Tyrp1^{B-It}

Ots1^{LT/Sv}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

References

Technical Support

CONTACT TECHNICAL SUPPORT

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

This strain is susceptible to kidney disease and the females are prone to ovarian teratomas. Replace breeder pair after their fourth litter.

[Additional Breeding and Husbandry Support](#)

Appearance

grey-brown

Related Genotype: $Typr1^{B-It} / Typr1^{B-It}$ *a/a*

Citation

When using the LT/SvEiJ mouse strain in a publication, please include JAX stock #006252 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
Cryo Recovery	Homozygous	\$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

TERMS OF USE

[General Terms and Conditions](#)

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

Related Strains

All

By Allele

By Gene

By Collection






DO YOU NEED BALB/c MICE?

Rely on JAX to provide the models you need, when you need them.

[LEARN MORE](#)



 CONTACT

 DONATE

 SUBSCRIBE

[JAX HOME](#) [CAREERS](#) [LEGAL INFORMATION](#)

[RESEARCH CENTERS](#) [MOUSE GENOME INFORMATICS](#)


[MOUSE PHENOME DATABASE](#)

Leading the search for

TOMORROW'S CURES



©2021 THE JACKSON LABORATORY

Choose other country or region 

↑ E E E D B

Did you find what you were looking for?

Yes No