B6.Cg-A°-J Eda Ta-J+/- Ar Tm/J

Stock No: 001809 | testicular feminization

**Congenic Spontaneous Mutation**

CRYO RECOVERY

PLACE ORDER

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

Overview

Also Known As: testicular feminization
The androgen receptor; testicular feminization (Ar^Tfm) allele in this strain is a dominant, spontaneous mutation on the X chromosome that results in abnormal development of reproductive organs and tissues in males.

### GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tr>
<td>000664 C57BL/6J</td>
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#### A^w-J
- **Allele Type**: Spontaneous
- **Gene Symbol**: a
- **Gene Name**: nonagouti

#### A^Tfm
- **Allele Type**: Spontaneous
- **Gene Symbol**: Ar
- **Gene Name**: androgen receptor

#### E^dTa-6J
- **Allele Type**: Spontaneous
- **Gene Symbol**: Eda
- **Gene Name**: ectodysplasin-A

### RESEARCH APPLICATIONS
- Developmental Biology Research
- Sensorineural Research
- Mouse/Human Gene Homologs
- Endocrine Deficiency Research
- Reproductive Biology Research
- Dermatology Research

### BASE PRICE
Starting at:
- $2,854.50 Domestic price Cryo Recovery

### VIEW PRICE LIST
Detailed Description

Testicular feminization (ArTfm) is a dominant spontaneous mutation on the X chromosome. Hemizygous male mice are outwardly female in appearance except that the vagina does not open until 3 months of age if at all. Male reproductive development is abnormal leading to very small testes, and the absence of vas deferens, the epididymis, and male accessory glands. Spermatogonia and Sertoli cells are present in the testes, but spermatogenesis does not proceed past meiotic prophase. Leydig cells, which normally produce androgen in males, fail to develop normally. This strain is also segregating for the tabby 6J mutation (EdaTa-6J) that affects both the coat color and hair pattern growth. The tabby mutation is maintained in repulsion with the testicular feminization mutation and is used as a coat color marker to assist in identifying resulting genotypes obtained from matings.

Development

Control Suggestions

Selected References

Genetics

A^w-j

ArTfm

EdaTa-6J

Disease/Phenotype

Disease Terms

Research Areas By Genotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

Genotyping Protocols

Restriction Enzyme Digest: ArTfm
Sanger sequencing: ArTfm-SEQ
Genotyping resources and troubleshooting
Appearance
white-bellied agouti, males with female external genitalia (no vaginal opening)
Related Genotype: $A^{w-j}/A^{w-j} + A^{Tfm}/Y$ males

tabby (yellow coat, no hair on ears and tail, bald patch behind ears, no guard hairs)
Related Genotype: $A^{w-j}/A^{w-j} Eda^{Ta-6j} +/Y$ males

white bellied agouti with mosaic striped coat
Related Genotype: $A^{w-j}/A^{w-j} Eda^{Ta-6j} +/+ Ar^{Tfm}$ females

tabby (yellow coat, no hair on ears and tail, bald patch behind ears; no guard hairs)
Related Genotype: $A^{w-j}/A^{w-j} Eda^{Ta-6j} +/Eda^{Ta-6j}$ + females

Citation
When using the particular feminization mouse strain in a publication, please cite the originating article(s) and include JAX stock #001809 in your Materials and Methods section.

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

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## Pricing & Availability

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

### Cryorecovery - Domestic Pricing

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>X linked - Compound Heterozygous females for $Eda^{Ta-6j}$ and $Ar^{Tfm}$, Hemizygous males for $Eda^{Ta-6j}$, 1 pair minimum</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. Please check genotypes which will be recovered. While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. Animals are typically ready to ship in 11-14 weeks. If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a Dedicated Supply for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

### 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.

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