Also Known As: outbred athymic nude

Outbred nude mice are immunodeficient tumor transplant hosts, and the standard *in vivo* model for drug efficacy testing in oncology.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td>Contact Technical Support</td>
</tr>
</tbody>
</table>

**Foxn1^{nu}**

<table>
<thead>
<tr>
<th>Allele Type</th>
<th>Gene Symbol</th>
<th>Gene Name</th>
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</thead>
<tbody>
<tr>
<td>Spontaneous</td>
<td><em>Foxn1</em></td>
<td>forkhead box N1</td>
</tr>
</tbody>
</table>

**PLACE ORDER**

- Email
- Download PDF
- Help
Outbred homozygous nude (Foxn1<sup>nu</sup>/Foxn1<sup>nu</sup>) mice are the standard in vivo model for drug efficacy testing in oncology. Nude mice are athymic and hairless as a result of the recessive nu mutation. T cell precursors exist but development is blocked in the absence of a thymus, resulting in an immunodeficiency that permits transplantation of tumor cell xenografts. Homozygous females are poor breeders and fail to lactate. Heterozygous males and females breed well and have normal immune function. Homozygous pups can be identified as young as 24 hours by their lack of whiskers or poorly developed, crinkled whiskers.
Genetics

Foxn1nu

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

Phenotype Information

References

Technical Support

Genotyping Protocols

End Point Analysis: Tyr c-EP
Genotyping resources and troubleshooting
Dietary Information
LabDiet® 5K52 formulation (6% fat)
Breeding Considerations

This strain is an exceptional breeder.

The colony is maintained by a highly specialized random mating scheme, avoiding crosses between siblings to retain the widest possible genetic diversity and maximize animal vigor.

Additional Breeding and Husbandry Support

Appearance
albino
Related Genotype: Tyr^c / Tyr^c

Citation
When using the outbred athymic nude mouse strain in a publication, please cite the originating article(s) and include JAX stock #007850 in your Materials and Methods section.

Animal Health Reports
Facility Barrier Level Descriptions
**Pricing & Availability**

Readily available in any quantity needed.

## Domestic

Pricing effective for USA, Canada and Mexico shipping destinations.

<table>
<thead>
<tr>
<th>AGE</th>
<th>SEX</th>
<th>GENOTYPE</th>
<th>PRICE</th>
</tr>
</thead>
</table>
| 3 weeks | Female | Heterozygous for Foxn1
nu | $28.52 |
| 3 weeks | Male    | Heterozygous for Foxn1
nu | $30.23 |
| 3 weeks | Female | Homozygous for Foxn1
nu | $34.50 |
| 3 weeks | Male    | Homozygous for Foxn1
nu | $32.44 |
| 4 weeks | Female | Heterozygous for Foxn1
nu | $28.52 |
| 4 weeks | Male    | Heterozygous for Foxn1
nu | $30.23 |
| 4 weeks | Female | Homozygous for Foxn1
nu | $34.50 |
| 4 weeks | Male    | Homozygous for Foxn1
nu | $32.44 |
| 5 weeks | Female | Heterozygous for Foxn1
nu | $28.52 |
| 5 weeks | Male    | Heterozygous for Foxn1
nu | $30.23 |
| 5 weeks | Female | Homozygous for Foxn1
nu | $34.50 |
| 5 weeks | Male    | Homozygous for Foxn1
nu | $32.44 |
| 6 weeks | Female | Heterozygous for Foxn1
nu | $30.55 |
| 6 weeks | Male    | Heterozygous for Foxn1
nu | $32.40 |
| 6 weeks | Female | Homozygous for Foxn1
nu | $40.52 |
| 6 weeks | Male    | Homozygous for Foxn1
nu | $34.68 |
| 7 weeks | Female | Heterozygous for Foxn1
nu | $32.51 |
| 7 weeks | Male    | Heterozygous for Foxn1
nu | $34.47 |
| 7 weeks | Female | Homozygous for Foxn1
nu | $40.52 |
| 7 weeks | Male    | Homozygous for Foxn1
nu | $35.10 |
| 8 weeks | Female | Heterozygous for Foxn1
nu | $34.50 |
| 8 weeks | Male    | Heterozygous for Foxn1
nu | $36.60 |
<table>
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<tr>
<th>SEX</th>
<th>8 weeks</th>
<th>9 weeks</th>
<th>10 weeks</th>
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<tbody>
<tr>
<td>Male</td>
<td>nu</td>
<td>40.52</td>
<td>40.52</td>
</tr>
<tr>
<td>Female</td>
<td>nu</td>
<td>37.34</td>
<td>37.16</td>
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<tr>
<td>Male</td>
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<td>41.61</td>
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**Volume Pricing Details**

<table>
<thead>
<tr>
<th>QUANTITY</th>
<th>Volume Pricing</th>
</tr>
</thead>
<tbody>
<tr>
<td>75</td>
<td>10% off</td>
</tr>
</tbody>
</table>

**Volume Pricing Program**

- **Quantities**: Volume pricing is automatically applied when a minimum quantity per strain for a shipment is reached.
- **Sexes**: Sexes of the same strain may be combined to reach minimum quantity levels to receive the volume pricing.
- **Shipment**: All shipping destinations qualify.

**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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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**

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