This inbred strain is characterized by high incidence of cancer, spontaneous glomerular hyalinization, and glomerulosclerosis.

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.
Derived from an unknown stock at the Rockefeller Institute, RF/J are commonly used in research in genetics, immunology, oncology and virology. This strain displays a high cancer incidence including leukemia (reportedly between 40 and 66%) and reticulum cell sarcomas (approximately 50%). Consistent with this, sequence comparisons of inbred strains found that the missense mutations that are specific to RF/J are over-represented in the KEGG pathways of “Pathways in Cancer” and “Extracellular Matrix-Receptor Interaction” and the REACTOME pathways of “Degradation of the Extracellular Matrix” and “Extracellular Matrix Organization” (Doran et al., 2016). This strain also has a high incidence of spontaneous glomerular hyalinisation and glomerulosclerosis, which develops between eight and twenty months of age.

Selected References

Genetics

- Il3ra
- Rmcf
- Hc
- Cdh23
- Mx1
- Ahr
- Cox7a2l

Disease/Phenotype

- Disease Terms
- Research Areas By Phenotype
- Mammalian Phenotype Terms by Genotype
Phenotype Information

References

Technical Support

Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
albino
Related Genotype: a/a Tyf<sup>c</sup> / Tyr<sup>c</sup>

Citation
When using the RF/J mouse strain in a publication, please include JAX stock #000682 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

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

Cryo Recovery

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Inbred, 1 pair minimum will be supplied</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

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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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Related Strains

All Related Strains

129S1/SvImJ
Stock No: 002448 | 129S1
Related By: Cox7a2l, Cox7a2f

A/J
Stock No: 000646
Related By: Il3ra, Rmcf, Hc, Cdh23, Mkl, Ahr, Cox...

B6(Cg)-Tyr<sup>c-2J</sup>/J
Stock No: 000058
Related By: Cox7a2l