Overview

Also Known As: dominant spotting 40 Jackson, W\textsuperscript{40}

These mice carry a spontaneous remutation at the Kit locus characterized by homozygous lethality and a white belly spot.
Mutations at the Kit locus affect various aspects of hematopoiesis, the proliferation and migration of primordial germ cells and melanoblasts during development. Phenotypic effects of Kit^{W-40J} heterozygotes are almost indistinguishable from those of the classic Kit^{W} allele. The original Kit^{W} mutation and Kit^{W-40J} are lethal mutations when homozygous.
Genotyping Protocols
Genotyping resources and troubleshooting

Citation
When using the dominant spotting 40 Jackson mouse strain in a publication, please cite the originating article(s) and include JAX stock #000121 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.

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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
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<tr>
<td>Cryo Recovery</td>
<td>Heterozygous or Wild-type for Kit&lt;W-40J&gt;</td>
<td>$2,854.50</td>
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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.
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