The Diversity Outbred (DO) stock is a genetically diverse mouse resource and may be used as a tool for high resolution genetic mapping and validation of previously identified quantitative trait loci (QTLs) linked to disease susceptibility, drug resistance or behavioral phenotypes.

View Data Analysis Resources

Also Known As: Diversity Outbred, DO

View the Most Current Breeding Wave Schedule and Order Instructions
The Diversity Outbred (DO) stock is designed to be the most genetically diverse mouse resource available, allowing more accurate modeling of the human population and more refined gene mapping resolution than any other mouse model. Individual DO mice have highly heterogeneous genomes as a result of their diverse parental genetic contributions (see 'Development' below). DO mice may be used as a tool for high resolution genetic mapping and validation of previously identified quantitative trait loci (QTLs) linked to disease susceptibility, drug resistance or behavioral phenotypes. High density genotyping of individual mice can be achieved with genotyping arrays. DO mice may also be useful for toxicogenomic screens, compound evaluation in a genetically diverse population, and the development of opposite responder populations with high and low responses for specific phenotypes of interest.

Currently there are no related genes or alleles for this strain.
Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations

This strain is an exceptional breeder.
When maintained in a live colony, these mice are randomly bred and avoid the use of sibling matings.

Additional Breeding and Husbandry Support

Appearance
multiple coat colors

Citation
When using the J:DO mouse strain in a publication, please cite the originating article(s) and include JAX stock #009376 in your Materials and Methods section.

Pricing & Availability

Sized to accommodate orders of up to 10 or more with age range. Ask Customer Service for details.

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Related Strains

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