



J : D O

Stock No: 009376

 Outbred



AVAILABLE NOW

PLACE ORDER

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

Overview



Also Known As: Diversity Outbred, DO

[View the Most Current Breeding Wave Schedule and Order Instructions](#)

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.

[R E A D M O R E +](#)

GENETIC OVERVIEW

[Genetic Background](#)

[Generation](#)

[V I E W G E N E T I C S](#)

RESEARCH APPLICATIONS

[V I E W A L L R E S E A R C H A P P L I C A T I O N S](#)

BASE PRICE

Starting at:

\$62.58 Domestic price for female 3-week

[V I E W P R I C E L I S T](#)

[- Details](#)

[+ Detailed Description](#)

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.

[+ Development](#)

[+ Selected References](#)

[- Genetics](#)

Currently there are no related genes or alleles for this strain.

– Disease/Phenotype

+ Disease Terms

+ Research Areas By Genotype

+ Mammalian Phenotype Terms by Genotype

+ Phenotype Information

+ References

– Technical Support

T E C H N I C A L S P P O R T C H A T

C O N T A C T T E C H N I C A L S U P P O R T

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 JDC mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #009376 in your Materials and Methods section.

[Facility Barrier Level Descriptions](#)

 [AX4 \(Standard\)](#)

– Pricing & Availability



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Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

Live Mouse

AGE	SEX	GENOTYPE	PRICE
3 weeks	Female	Unspecified	\$62.58
	Male	Unspecified	\$62.58
4 weeks	Female	Unspecified	\$62.58
	Male	Unspecified	\$62.58
5 weeks	Female	Unspecified	\$62.58
	Male	Unspecified	\$62.58

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[General Terms and Conditions](#)

Q U E S T I O N S A B O U T T E R M S O F U S E

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All

By Allele

By Gene

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