

**B10.D2-*Hc*<sup>0</sup> *H2*<sup>d</sup> *H2-T18*<sup>c</sup> /oSnJ**

Stock No: **000461** | B10.D2

 Congenic, Major Histocompatibility Congenic

Live mice available in varying quantities. Ask Customer Service for details.

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Also Known As: B10.D2, B10.D2-*Hc*<sup>0</sup>

This strain carries the *Hc*<sup>0</sup> allele from DBA/2J, making them serum C5 deficient. Mice have increased susceptibility to certain pathogens and impaired chemotactic responses of neutrophils. Allograft rejection is prolonged. This congenic strain has been used for numerous immunological studies.

READ MORE +

## GENETIC OVERVIEW

Genetic Background

Generation

[N9F10](#)  
(2019-06-12 00:00:00)

*Hc*<sup>0</sup>

Alele Type

Gene Symbol

Gene Name

Spontaneous

*Hc*

hemolytic complement

*H2*<sup>d</sup>

Alele Type

Gene Symbol

Gene Name

Spontaneous

*H2*

histocompatibility-2, MHC

*H2-T18<sup>c</sup>*

**Alele Type**

**Gene Symbol**

**Gene Name**

Not Applicable

*H2-T18*

histocompatibility 2, T region locus 18

V I E W   G E N E T I C S

## RESEARCH APPLICATIONS

Immunology, Inflammation and Autoimmunity Research  
Developmental Biology Research  
Research Tools

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:

\$183.00 Domestic price for female 4-week

V I E W   P R I C E   L I S T

### Details

#### Detailed Description

This strain carries the *Hc<sup>0</sup>* allele from DBA/2J, making them serum C5 deficient. Mice have increased susceptibility to certain pathogens and impaired chemotactic responses of neutrophils. Allograft rejection is prolonged. The following inbred strains are also homozygous for the *Hc<sup>0</sup>* allele: A/HeJ (Stock No. 000645), AKR/J (Stock No. 000648), DBA/2J (Stock No. 000671), NOD/LtJ (Stock No. 001976), NZB/BINJ (Stock No. 000684), and SWR/J (Stock No. 000689).

#### Development

#### Control Suggestions

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## – Genetics

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+ [Hc<sup>0</sup>](#)

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+ [H2<sup>d</sup>](#)

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+ [H2-T18<sup>c</sup>](#)

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## – Disease/Phenotype

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+ [Disease Terms](#)

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+ [Research Areas By Phenotype](#)

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+ [Mammalian Phenotype Terms by Genotype](#)

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+ [Phenotype Information](#)

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+ [References](#)

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## – Technical Support

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

Pyrosequencing:[Hc<0>](#)

End Point Analysis:[H2-T18-EP](#)

End Point Analysis:[H2 rs50413633-Alt 1-EP](#)

End Point Analysis:[Hc<0>](#)

Sanger sequencing:[H2 rs50413633](#)

Sanger sequencing:[H2-T18-Alternate 2](#)

[Genotyping resources and troubleshooting](#)

### Dietary Information

LabDiet® 5K52/5K67

### Breeding Considerations

[This strain is a good breeder.](#)

[Additional Breeding and Husbandry Support](#)

## Mating System

Homozygote x Homozygote

## Appearance

black

Related Genotype: *a/a*

## Citation

When using the B10.D2 mouse strain in a publication, please [cite the originating article\(s\)](#) and include JAX stock #000461 in your Materials and Methods section.

## Animal Health Reports

[Facility Barrier Level Descriptions](#)

 [AX18 \(Maximum\)](#)

## ➔ Pricing & Availability



Available

Live mice available in varying quantities. Ask Customer Service for details.

## Domestic **International**

Pricing effective for USA, Canada and Mexico shipping destinations

LIVE MOUSE			
AGE	SEX	GENOTYPE	PRICE
4 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
5 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
6 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
7 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
8 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
9 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
10 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
11 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00

	SEX	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
12 weeks	Female	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00
	Male	Homozygous for Hc <sup>0</sup> , Homozygous for H2 <sup>d</sup> , Homozygous for H2-T18 <sup>c</sup>	\$183.00

## RELATED PRODUCTS AND SERVICES

Frozen Mouse Embryo	B10.D2-Hc<0> H2<d> H2-T18<c>/oSnJ Frozen Embryos	\$2595.00
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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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By Allele

By Gene

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# TOMORROW'S CURES



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