**Overview**

Hoxb7-EGFP transgenic mice express EGFP under the direction of a homeobox B7 promoter/enhancer. These mice may be useful for visualizing ureteric bud growth and branching in vivo or in vitro.
Donating Investigator
Frank Costantini, Columbia University Medical Center

GENETIC OVERVIEW

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td>Tg(Hoxb7-EGFP)33Cos</td>
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</table>

Allele Type
Transgenic (Reporter)

RESEARCH APPLICATIONS

Research Tools

BASE PRICE
Starting at:
$2854.50 Domestic price Cryo Recovery

Details

Detailed Description
Hoxb7-EGFP transgenic mice have the homeobox B7 promoter/enhancer sequences driving expression of an enhanced green fluorescent protein, EGFP. Hemizygotes are viable, fertile, and normal in size. Under control of Hoxb7, EGFP labels the Wolffian duct and branching ureteric bud (UB) of the kidney during embryonic development. Fluorescence is evident in tissues specific to the UB lineage in adult and newborn kidneys, including the ureter, pelvis, and collecting ducts. This strain allows for the visualization of tissues specific to the UB lineage. In contrast, mice containing the Tg(Hoxb7-Venus*)17Cos allele (Stock No. 016252) are useful for viewing individual cells. These mice may be useful for visualizing UB growth and branching in vivo or in vitro.

Development

Expression Data
Genotyping Protocols
Probe: Fluorescent Proteins (Generic GFP)
Separated PCR: Tg(Hoxb7-EGFP)33Cos
Genotyping resources and troubleshooting

Breeding Considerations
When maintaining a live colony, hemizygous mice may be bred to wildtype (non-carrier) mice from the colony or to 129S1/SvImJ inbred mice (Stock No. 002448).
Additional Breeding and Husbandry Support

Citation
When using the JAX stock #016251 in your Materials and Methods section, please cite the originating article(s) and include JAX stock #016251 in your Materials and Methods section.

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, G200
Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

### Cryorecovery - Domestic Pricing

<table>
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<tr>
<th>SERVICE</th>
<th>GENOTYPE</th>
<th>PRICE</th>
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<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Hemizygous or non carrier forTg(Hoxb7-EGFP)33Cos</td>
<td>$2,854.50</td>
</tr>
</tbody>
</table>

We will fulfill your order by providing at least two carriers for each strain ordered. The total number, sex, and genotypes provided will vary, although typically 8 or more animals are provided. **Please check genotypes which will be recovered.** While the genotypes of all animals produced will be communicated to you prior to scheduling shipment, the genotypes of animals provided may not reflect the mating scheme and genotypes described in the strain description. **Animals are typically ready to ship in 11-14 weeks.** If a second recovery is required to produce the minimum number of animals, then delivery time would increase to approximately 25 weeks. If we fail to produce animals of the correct genotype, you will not be charged. We cannot guarantee the reproductive success of mice shipped to your facility. If the mice are lost after the first three days (post-arrival) or do not produce progeny at your facility, a new order and fee will be necessary.

Cryorecovery to establish a **Dedicated Supply** for greater quantities of mice. Mice recovered can be used to establish a dedicated colony to contractually supply you mice according to your requirements. Price by quotation.

### Related Products and Services

| Frozen Mouse Embryo | $2,595.00 per straw or vial |

### 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.

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