



## huNOG-EXL Early Access product specifications

The huNOG-EXL Early Access product is an advantageous solution for certain challenging study designs. While the per unit price is significantly lower compared to fully validated, off-the-shelf huNOG-EXL Standard Access mice, purchasers assume more risk in terms of individual mice and lots failing to meet QC standards.

### Ordering details

- Orders must be placed with a minimum lead time of 5-6 weeks prior to desired delivery date, and availability cannot be guaranteed prior to order. Taconic will identify an engraftment date, and mice will typically be shipped 1-2 weeks post-engraftment.
- Only female mice are available for Early Access orders.
- Order minimum is a cohort of 20 mice in one delivery.
- At time of order, supply the following information for each cohort: total # of mice, preferred # of donors, preferred # of mice per donor.
- For orders specifying multiple donors, the minimum request is 10 mice per donor. For cohorts of <60 mice in a single delivery, the maximum number of donors which may be requested is four. The maximum request per donor is 35-40 mice.
- Taconic reserves the right to adjust the exact distribution of mice per donor at time of pack. Taconic cannot guarantee an exact number of mice per donor.
- Booked orders may not be cancelled.

### Product Specifications

huNOG-EXL Early Access mice are not QC'd by Taconic for engraftment of human cells. The customer is responsible to hold mice during the engraftment and differentiation period under appropriate conditions and to perform QC on each mouse for % hCD45 in peripheral blood and any other desired characteristics.

- Most huNOG-EXL mice average >40% human cells in blood, but  $\geq 25\%$  hCD45+ at 10 weeks post-engraftment is Taconic's QC standard. Taconic recommends customers perform QC using the protocol available in [Licensing, Care & Resources for Taconic's Humanized Immune System Models](#).
- Customers should typically expect 67% of huNOG-EXL Early Access mice to meet the QC standard of  $\geq 25\%$  hCD45+ at 10 weeks post-engraftment. Because Taconic cannot control housing and husbandry after the mice are delivered to the customer, Taconic cannot guarantee long term health or survival, chimerism or any other study performance parameter. No credit will be provided when  $\geq 30\%$  of a delivered cohort meets the QC standard. Some morbidity and mortality can occur with huNOG-EXL prior to 10 weeks post-engraftment, but this should be <15% under appropriate housing and husbandry. Please contact Taconic in cases where >70% of mice fail to meet the QC standard or significant

morbidity/mortality occurs. Engraftment failures affecting whole lots are very rare with huNOG-EXL, but can occur.

- huNOG-EXL mice require special housing and husbandry. Failure to care for huNOG-EXL mice properly will impact animal health and survival and can also reduce chimerism levels. Review [Licensing, Care & Resources for Taconic's Humanized Immune System Models](#) and [Video: Care of HIS mice for experimental success](#) prior to ordering. Note that serial bleeds and the overall volume of bleeds can significantly impact the overall health and well-being of huNOG-EXL mice. Taconic recommends blood sampling is limited to once per two-week period, and that all animals receive a bolus of subcutaneous fluids when blood samples are collected. First time users of huNOG-EXL Early Access mice are strongly encouraged to request a consultation with a Taconic Field Application Scientist in order to maximize experimental success.
- Taconic cannot guarantee performance for any mice which are put on study prior to 10 weeks post-engraftment. No credit requests for such mice will be accepted by Taconic.
- Taconic may require customers to provide detailed information regarding housing, husbandry, and QC (flow) protocols in order to consider credit or replacement. Replacement animals are subject to available inventory.