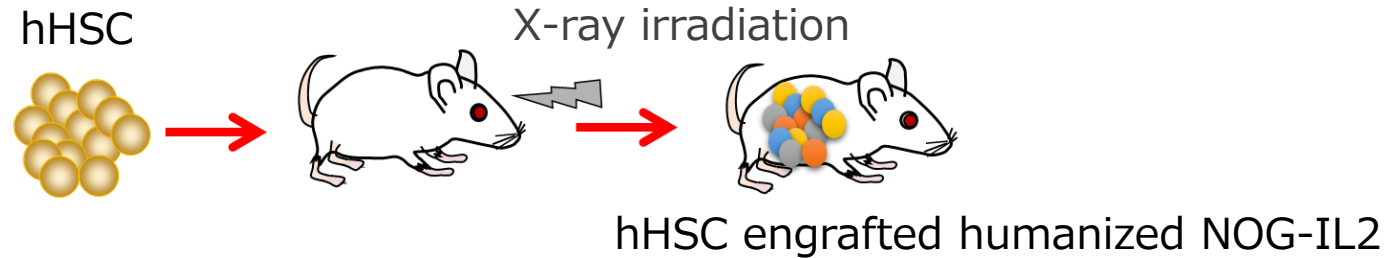


Method for hHSC engrafted humanized NOG-IL2 mice production



- Purchase 6-week-old NOG-IL2 mice and acclimatize them for a week.
- The mouse is irradiated with X-rays to kill some of the mouse-derived bone marrow cells.
- If produced at the customer's facility, experiments can also be performed with pretreatment with Busulfan.
- Within 24 hours after X-ray irradiation, $2 \sim 2.5 \times 10^4$ human umbilical cord blood-derived hematopoietic stem cells (CD34⁺ HSCs) are transferred via the tail vein.
- At this point, measure the engraftment rate of human leukocytes by flow cytometry.
- We will provide chimeric rate data ($\frac{\text{hCD45}^+ \text{ cell number}}{\text{hCD45}^+ \text{ cell number} + \text{mCD45}^+ \text{ cell number}}$) in advance.
- As an option, delivery can be made a week after HSC transfer.
- Humanized mice engrafted with human hematopoietic stem cells contain human-derived materials.
- Please obtain the cell information sheet in advance, check it, and use it according to the rules of each institution.
- (In case you purchase ready-made humanized NOG-IL2 mice from In-Vivo Science, we will provide you with a cell information sheet.)

- Regarding order of NOG-IL12 mice, hHSC engrafted humanized NOG-IL2 mice and/or Questions, please contact In-Vivo Science Inc. through the order form on our website.
 - <https://www.invivoscience.com/order/>
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