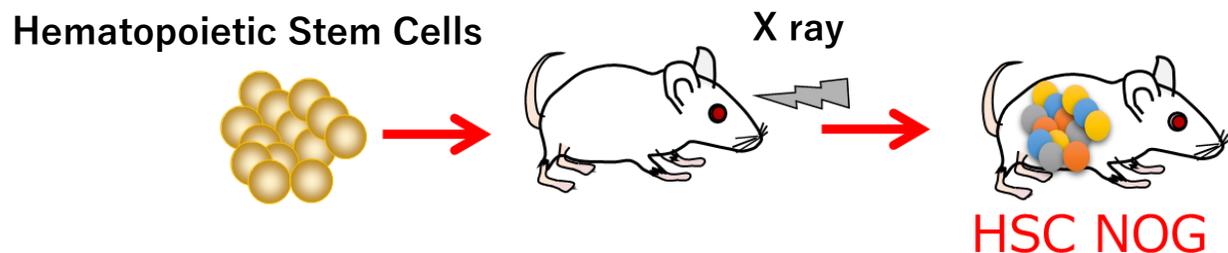


HSC-engrafted humanized mouse production method



1. We will prepare 6-week-old NOG mice or next-generation NOG mice after receiving an order from customer.
 2. Irradiate the mouse with X-rays to kill some of the mouse-derived bone marrow cells.
 3. Next day, transfer $3-5 \times 10^4$ human cord blood-derived hematopoietic stem cells (CD34(+)) HSC) via the tail vein.
 4. Measure human leukocyte (hCD45⁺ cells) chimeric ratio by flow cytometry 11 weeks after stem cell transfer. We usually deliver humanized mice with a chimeric ratio of 25% or higher.
 5. As an option, it is also possible to deliver humanized mice one week after the stem cell transferred. We cannot guarantee the engraftment ratio in this case.
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If you have any questions, please contact In-Vivo Science Inc. by e-mail.

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