Thymocyte Humanized Animals, Methods of Making and Methods of Use Thereof

View U.S. Patent Application Publication No. US-2026-0007123 in PDF format.

WARF: P230024US02

Inventors: Matthew Brown

The Invention

A UW researcher developed a method for making humanized mice through the transplantation of free neonatal thymus cells into immune deficient mice. The researcher injected 10 million thymocytes, collected from the thymus of neonatal heart surgery patients into the mice. This humanized mouse model can be made using waste product from the surgery. More work needs to be done to characterize the immune system resulting from the injection of these cells into mice, but this model could be a relatively inexpensive option for academic researchers studying T cell development and function.

Additional Information

For More Information About the Inventors

- Matthew Brown

Tech Fields

- Research Tools : Animal & disease models

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854