



NOVEL CELL LINES SUPPORTIVE OF ROBUST ARTERIVIRUS INFECTION

WARF: P230384US01

Inventors: Adam Bailey, Teressa Shaw, Cody Warren

The Invention

A UW-Madison researcher has developed FcRn-overexpressing cell lines that are susceptible to arterivirus infection. Through a genetic screen, the inventor discovered that the neonatal Fc receptor (FcRn) is required for arteriviruses to infect cells. This appears to be true for all arteriviruses and all cell lines tested so far. Over-expression of FcRn on cells can make previously non-susceptible cells susceptible to infection. FcRn overexpression in cells also leads to fast and more robust arterivirus replication.

Tech Fields

- [Research Tools : Cell lines](#)

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