



NOVEL CELL LINES SUPPORTIVE OF ROBUST ARTERIVIRUS INFECTION

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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](#)

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