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**Robust real-time cell analysis method for determining viral infectious titers during development of a viral vaccine production process**

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**Highlights**

- Virus infectious titer can be determined using real-time cell analysis (RTCA)
- Impedance signal decrease after virus infection of Vero cells was dose-dependent
- RTCA is a reproducible and robust high-throughput virus titration method
- RTCA can be used in viral vaccine process development

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