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PII: S0166-0934(17)30598-0
DOI: https://doi.org/10.1016/j.jviromet.2018.02.014
Reference: VIRMET 13429

To appear in: *Journal of Virological Methods*

Received date: 9-10-2017
Revised date: 25-1-2018
Accepted date: 19-2-2018

Please cite this article as: Richard V, Aubry M, Method for Simple and Rapid Concentration of Zika Virus Particles from Infected Cell-Culture Supernatants, *Journal of Virological Methods* (2010), https://doi.org/10.1016/j.jviromet.2018.02.014

JOURNAL OF VIROLOGICAL METHODS

Short Communication

Title

Method for Simple and Rapid Concentration of Zika Virus Particles from Infected Cell-Culture Supernatants

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Abstract

Experimental studies on Zika virus (ZIKV) may require improvement of infectious titers in viral stocks obtained by cell culture amplification. We highlight here the use of centrifugal filter devices to increase infectious titers of ZIKV from cell-culture supernatants. A mean gain of 2.33 ± 0.12 $\log_{10}$ $DICT_{50}$/mL was easily and rapidly obtained with this process. This efficient method of ultrafiltration may be applied to other viruses and be useful in various experimental studies requiring high viral titers.