

Resource Summary Report

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Virus purification protocol for Ehv-163 and other viruses.

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bcpvivr6>

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Summary: Reliable protocol for virus purification is an essential step for characterization and identification of individual virus particles in order to obtain information on biochemical and physical properties of the virus and for studying interactions between host and virus at the single-cell level. The purified virus should be physically and chemically undamaged by the purification procedure and free from contaminating host-material. To obtain high-quality EhV sample (the virus that infects coccolithophorid, *Emiliana huxleyi*) suitable for AFM, Raman and CryoEM analysis, we modified the protocol published by Lawrence and Steward ("Purification of viruses by centrifugation" J. E. Lawrence and G. F. Steward; MAVE Chapter 17, 2010, 166–181 © 2010, by the American Society of Limnology and Oceanography, Inc.).

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http://www.soest.hawaii.edu/oceanography/faculty/steward/StewardLab/Projects_files/Lawrence%20

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