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DESCRIPTION

The Journal of Virological Methods publishes high quality original research papers, systematic reviews and meta-analyses that advance our knowledge for analysis of human, animal, plant and other viruses that significantly improve medical, veterinary and agricultural practice. This includes development, optimisation and validation of novel techniques and tools for studying viral antigens, markers, morphology, genomics, functions, replication cycle, evolution, transmission, pathogenesis, diagnosis, treatment, prevention and control of viral infections.

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INTRODUCTION

The Journal of Virological Methods publishes high quality original research papers, systematic reviews and meta-analyses that advance our knowledge for analysis of human, animal, plant and other viruses that significantly improve medical, veterinary and agricultural practice. This includes development, optimisation and validation of novel techniques and tools for studying viral antigens, markers, morphology, genomics, functions, replication cycle, evolution, transmission, pathogenesis, diagnosis, treatment, prevention and control of viral infections.

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Order Mononegavirales, family Rhabdoviridae, genus Lyssavirus, species Rabies virus. Family Poxviridae, subfamily Chordopoxvirinae, genus Orthopoxvirus, species Vaccinia virus. Family Picornaviridae, genus Enterovirus, species Poliovirus. Family Bunyaviridae, genus Tospovirus, species Tomato spotted wilt virus.

Vernacular Taxonomic Nomenclature

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Keywords:

Please provide 3 - 6 keywords.

Type of research:

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Time required.

An estimation of the time required to run the protocol should be given per separate step and for the whole protocol.

Materials

The materials used should be described in sufficient detail for the protocol to be replicated. Animals used should include information on breed, breeder, sex, age, weight and the maintenance conditions. Furthermore, this section should be divided into two subsections: (i) Special equipment and (ii) Chemicals and reagents. Any special equipment required should be mentioned, including details of model type/number and (international) supplier. The source or supplier of any special equipment should also be stated, in parentheses, after mentioning the equipment for the first time. A listing (preceded by dashes) of chemicals and reagents used in the protocol, should be provided, if applicable. Special chemicals and drugs with their sources or suppliers should be grouped under a separate subheading ("Chemicals" or "Drugs"). For drugs, generic names should be used; trade names may be given in brackets where the drug is first mentioned. In case of new drugs or chemicals, a full chemical description (formula) should be given. The form of the drug used should be indicated.

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This section should include an extensive, detailed and stepwise description of the procedures used. The individual steps should be described in list form preceded by Roman lower case numeral characters and correspond with the steps described under Quick procedure. All companies from which chemicals or materials were obtained should be listed with their full address.

Results.

In this section the expected results should be described clearly and concisely, and in logical order without extended discussion of their significance. Results should usually be presented descriptively and be supplemented by photographs or diagrams.

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This section should present an assessment of the protocol, problems which may be encountered, and alternative or support protocols. This section should be divided into two parts: (i) Trouble-shooting and (ii) Alternative and Support Protocols. Troubleshooting: Problems that may have been encountered during any of the procedures should be discussed clearly and concisely, and suitable solutions suggested. Alternative methods for replacing certain steps in the protocol should be mentioned in sufficient detail, and clearly indicating at which point in the protocol they should be applied. Alternative and Support Protocols: If applicable, alternative or support protocols should be mentioned, clearly stating the advantages and disadvantages of such protocols and be accompanied by appropriate citation of the literature.

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