

## Ordering and Delivery

Emailed, faxed or mailed orders will be accepted.

Payment may be made in £(GPB) by cheque, or by direct transfer, made payable to Scottish Government.

Payment in other currencies may be arranged in advance.

All products are available ex-stock and will be despatched within 1 week of receipt. If delays are expected then the customer will be notified as soon as the delay becomes known.

Once the order is despatched it cannot be cancelled. The customer will still be responsible for the full invoice price.

There may be restrictions on the import of antibodies and conjugates into certain countries. It is the responsibility of the customer to ensure that all the necessary information/documentation is supplied to SASA to ensure a trouble-free import. All reagents containing bovine products are made using serum from sources in the USA.



## Conditions of Supply

SASA's terms and conditions will apply.

These are available on request but particular attention is drawn to the following.

*"Although the antibodies have received extensive testing, serological variability in virus isolates world-wide means that occasionally some isolates may be missed. For this reason, it is important that the customer is solely responsible for determining the suitability of the antibodies for the purpose intended. SASA therefore does not accept liability for any direct or indirect use of these antibodies or any action that may arise from their use"*

For all enquires and to place an order contact:

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Please visit our website at:

<http://www.sasa.gov.uk>



ISO 9001: 2015 FM 59966



# Quality Antibodies

for the diagnosis of potato viruses

SASA  
Roddinglaw Road, Edinburgh  
EH12 9FJ, Scotland, UK

DI&P 3975 by Sylvia Breslin,  
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## Introduction

SASA is a division of the Scottish Government Agriculture and Rural Economy Directorate, which for 100 years has been responsible for providing Government with expert scientific and technical advice on agricultural and horticultural crops and aspects of the environment. Among its primary functions are the operation of the UK Potato Quarantine Unit, the production of pathogen-tested nuclear potato stocks and the management of the Scottish Seed Potato Classification Scheme, all of which are renowned world-wide.

SASA staff members are civil servants, doing their scientific work in relation to devolved matters for Scottish Government ministers, and for the good of people in Scotland.

SASA's antibody unit has been producing antibodies to potato viruses for over 50 years and in 1984 established a specialist unit dedicated to their production. This enables SASA to meet its responsibilities for the health of Scottish seed potatoes and for the quarantine testing of imported potato material. The primary focus of this work has been the development of ELISA assays incorporating monoclonal antibodies for the detection of many indigenous and non-indigenous potato viruses.

They are renowned for their high quality, reproducibility and low backgrounds.

## Quality Assurance

SASA antibodies and ELISA reagents are produced under a quality system certified to BS EN ISO 9001:2015. All SASA antibodies have been extensively tested during development, many in locations globally, eg antibodies for the detection of Andean viruses have been tested at the International Potato Centre (CIP), Peru.

All antibody reagents are supplied with Quality Control documentation.

## Product Information

SASA's monoclonal antibodies are produced in our tissue culture facility and all cell lines have undergone rigorous evaluation to ensure that the specificity they exhibit is suitable for the testing systems required. Our monoclonals have been primarily developed for use in ELISA, although they may also be used within rapid diagnostic kits (Lateral flow system) and in research applications such as Electron Microscopy, Membrane blotting and immunocapture techniques for PCR.



### Research and Development

New products are constantly under development and we are always striving to improve our existing products. The antibody unit has recently adapted all our conjugated antibodies to incorporate trehalose. Customers who require long-term storage or expect adverse shipping conditions can request reagents to be lyophilized.



### Reagents: Routine List

- Potato leafroll virus
- Potato virus A
- Potato virus M
- Potato virus S
- Potato virus V
- Potato virus X
- Potato virus Y c strain
- Potato virus Y n strain
- Potato virus Y o and c strains
- Potato virus Y o, c and n strains

|                    |            |      |
|--------------------|------------|------|
| • Coating antibody | 1000 units | £85  |
| • Coating antibody | 5000 units | £185 |
| • Conjugates       | 1000 units | £125 |
| • Conjugates       | 5000 units | £275 |

### Reagents: Specialist List

- Arracacha virus B - oca strain
- Potato black ringspot virus including the tobacco ringspot virus – Calico strain
- Potato latent virus (syn. Red la Soda virus)
- Potato mop-top virus
- Potato virus T
- Tomato black ring virus

|                    |            |      |
|--------------------|------------|------|
| • Coating antibody | 1000 units | £125 |
| • Coating antibody | 5000 units | £385 |
| • Conjugates       | 1000 units | £185 |
| • Conjugates       | 5000 units | £495 |

### Positive and Negative Material

Controls (lyophilized) are available on request. Some countries may require a letter of Authority (European Union) or Import Permit (other areas)

### Delivery

- UK £20
- EU £40
- Worldwide £50

