IAEA standard FMDV sera

Positive Control Sera for diagnosing Foot-and-Mouth-Disease (FMDV) in cattle and small ruminants

**YOUR CHALLENGE** is quality control of ELISA tests

Standards play a crucial role in the development of assays. Not only do they act as reference reagents in establishing quality control, but they also provide a baseline for measuring differences in assay performance within and between laboratories.

**YOUR GOAL** is to have a reliable reference material

In conjunction with Svanova, the Animal Production and Health Section of the Joint FAO/IAEA division of the IAEA has produced standard sera of the six serotypes of FMDV from infected cattle (serotype A, O, Asia1, SAT1, SAT2 and SAT3).

**ASSAY OVERVIEW**

<table>
<thead>
<tr>
<th>IAEA standard FMDV</th>
<th>Bovine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>Standard Positive Control Sera</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Article number</th>
<th>Type*</th>
<th>Form</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>113126</td>
<td>FMDV type A</td>
<td>freeze dried</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>113128</td>
<td>FMDV type O</td>
<td>freeze dried</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>113129</td>
<td>FMDV type Asia1</td>
<td>freeze dried</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>113130</td>
<td>FMDV type SAT1</td>
<td>freeze dried</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>113131</td>
<td>FMDV type SAT2</td>
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</tr>
<tr>
<td>113132</td>
<td>FMDV type SAT3</td>
<td>freeze dried</td>
<td>0.5 ml</td>
</tr>
</tbody>
</table>

* No infectious potential, all sera have been irradiated with 25.5 kGy

**COMPLIMENTARY DIAGNOSTIC SOLUTIONS**

SVANOVIR® FMDV 3ABC-Ab ruminant
- Detects antibodies to all seven serotypes of the FMD virus
- Discriminates between vaccinated and naturally infected animals
- Validated for cattle, sheep and goats

SVANODIP® FMDV-Ag
- Detects all seven serotypes of the FMD virus
- Fast results and simple procedure, providing results next to the animal within 10 minutes

**Quality standards** for tests detecting antibodies to non-structural protein (NSP) of FMDV

**Reference for establishing internal quality control**

**Assessment of relative differences** in diagnostic performance of different tests

**Reference in assay development**

**YOUR SUPPORT**

From 9am-16pm CET call:

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