**SVANOVIR® APV-Ab**

The blocking ELISA for detecting Avian Pneumovirus in various avian species

**SUMMARY** | SVANOVIR® APV-Ab is a blocking ELISA for the detection of Avian Pneumovirus (APV) specific antibodies in serum and egg yolk samples from various avian species. It is highly specific and detects antibodies as early as 7 days post exposure. The short incubation period together with the simple protocol enables results in less than 1.5 hours.

**YOUR CHALLENGE** is the detection of APV in chicken and turkey flocks to diagnose infection and estimate vaccine efficacy

APV is a highly contagious upper respiratory tract disease affecting chickens and turkeys, with probable reservoirs in wildlife birds. Outbreak situations with additional infections and poor management can lead to high economic impact owing to elevated mortality and production losses. An infection does not give lifelong protective immunity and local immunity may play a big role. Early detection of vaccine-induced immunity is important to give indication of vaccination efficacy.

**YOUR GOAL** is the successful management of an economically important avian disease

A central element in the control of APV is the vaccination of chickens with live or inactivated APV vaccines. Monitoring of antibody response to field challenge and vaccination is most commonly done by ELISA procedures. Antibodies of different APV serotypes can be accurately detected even if other pathogens challenge the flock.

**ASSAY OVERVIEW**

<table>
<thead>
<tr>
<th><strong>SVANOVIR® APV-Ab</strong></th>
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<tbody>
<tr>
<td><strong>Species</strong></td>
</tr>
<tr>
<td><strong>Samples</strong></td>
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<td><strong>Type</strong></td>
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**Article number** 104873

**Samples** 184

**Plates** 2

**Format** Strips

* Samples: Max. number of samples for analysis, wells for kit controls excluded.
SVANOVIR® APV-Ab provides labs with a tool to accurately diagnose APV-infection in chickens and turkeys and estimate the efficacy of vaccination in avian flocks.

**TECHNICAL CHARACTERISTICS**

**Dual functionality** – enables testing of serum and egg yolk in the same assay

**Effective handling** – easy protocol and results in 1.5 hrs

**High quality** – thoroughly validated and manufactured under strict ISO 9001:2008 standardised procedures in Sweden

**Multilingual labels**

**PERFORMANCE CHARACTERISTICS**

**SVANOVIR® APV-Ab**

With SVANOVIR® APV-Ab, higher sensitivity compared to other commercially available tests was seen with naturally infected or vaccinated chickens and turkeys. The specificity was 100% in SPF chickens and Turkey Rhinotracheitis Virus (TRTV) negative turkeys. Antibodies induced by vaccination were detected after 8 days (Mekkes & de Wit, 1998). In-house studies testing the monoclonal antibody used in the assay on large numbers of serum samples (n=1060) of positive and negative individuals (including SPF chickens, APV-free flocks, or chickens infected with other avian pathogens) showed that cross reactions can be ruled out. Positive birds, originating from England, Germany and Hungary, were accurately detected. According to a study on naturally infected birds, the sensitivity of SVANOVIR® APV-Ab is 98% (inhouse evaluation at the Veterinary Diagnostic Institute, Debrecen, Hungary).

<table>
<thead>
<tr>
<th>Sera</th>
<th>Positive</th>
<th>Negative</th>
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</thead>
<tbody>
<tr>
<td>Turkeys showing no signs of TRTV</td>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>n&lt;sub&gt;neg&lt;/sub&gt;=20&lt;sup&gt;a&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>Chickens n&lt;sub&gt;neg&lt;/sub&gt;=72&lt;sup&gt;b&lt;/sup&gt;</td>
<td>0</td>
<td>72</td>
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<sup>a</sup> samples from 7 week old turkeys.  
<sup>b</sup> samples from 5 week old SPF chickens

**Reference:**


**Complementary product** for the diagnosis of other avian infections

| **SVANOVIR® MG-Ab** | Detecting antibodies specific to *Mycoplasma gallisepticum* in avian species |
| **SVANOVIR® MS-Ab** | Detecting antibodies specific to *Mycoplasma synoviae* in avian species |

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