PrioCHECK *Trichinella* Alternative Artificial Digestion (AAD) Kit

Artificial digestion assay for the detection of *Trichinella* larvae—a safer, cleaner, and more reliable alternative to the current pepsin digestion method

**Benefits**

**Safer and cleaner**
- All components are delivered as liquid solutions—no handling of enzyme powder
- The digestion step of the assay runs at a slightly alkaline pH—no handling of concentrated acids

**Standardized production**
- Uses a recombinantly produced enzyme other than pepsin
- Standardized enzyme helps ensure constant performance
- Good enzyme availability—supply of the enzyme is not a limiting factor

**High-quality standards**
- The kit is produced according to our high-quality standards
- Each batch is controlled and released by our quality management team

The Applied Biosystems™ PrioCHECK™ *Trichinella* AAD Kit uses a protocol similar to the traditional artificial digestion test.

**Approved by the European Union**

The Community Reference Laboratory (CRL) for *Trichinella* in Rome has extensively validated the performance of the PrioCHECK *Trichinella* AAD Kit, approving the test as an official method for the *in vitro* detection of *Trichinella* spp. in domesticated swine meat. The PrioCHECK *Trichinella* AAD is now listed in European Commission (EC) Regulation 2075/2005 as an equivalent to the traditional artificial digestion testing method of domestic swine meat.

**Validated for use in individual carcass testing**

The PrioCHECK *Trichinella* AAD Kit detected all samples derived from pigs experimentally infected with 40,000 *T. spiralis* larvae (ISS 003). The animals were slaughtered 10 weeks postinfection.

On pig meat samples spiked with *T. spiralis*, *T. pseudospiralis*, and *T. britovi* larvae (ranging from 3 to 20 larvae), the PrioCHECK *Trichinella* AAD Kit showed comparable recovery rates to those obtained with the traditional artificial digestion method.
Trichinellosis

Trichinellosis is a zoonotic disease caused by the larvae of the nematode *Trichinella* that occurs worldwide. *Trichinella* infects many carnivorous and omnivorous animal species, including domestic pigs. Currently, eight species and six genotypes have been recognized in this genus. The species that are of main importance in Europe are *Trichinella spiralis*, *Trichinella britovi*, *Trichinella pseudospiralis*, and *Trichinella nativa*. Humans can be infected by eating raw or insufficiently cooked meat.

Under the EC Directive No. 2075/2005, all pigs slaughtered for human consumption have to be tested for trichinellosis by artificial digestion to check for the presence of *Trichinella* larvae. The new artificial digestion assay, PrioCHECK *Trichinella* AAD, is intended for use in carcass testing and is a safer, cleaner, and more reliably produced alternative to the current pepsin digestion method.

**Ordering information**

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Quantity</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PrioCHECK <em>Trichinella</em> AAD Kit</td>
<td>Artificial Digestion</td>
<td>10 assays (up to 1,000 animals)</td>
<td>7620030</td>
</tr>
<tr>
<td>PrioCHECK <em>Trichinella</em> AAD Kit</td>
<td>Artificial Digestion</td>
<td>4,000 assays (up to 400,000 animals)</td>
<td>7620040</td>
</tr>
<tr>
<td>Related product</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PrioCHECK Porcine <em>Trichinella</em> Ab Strip Kit</td>
<td>ELISA</td>
<td>5-strip plate kit (450 tests)</td>
<td>7610150</td>
</tr>
</tbody>
</table>

Find out more at [thermofisher.com/animalhealth](http://thermofisher.com/animalhealth)