## Nitrofurans

### RIDASCREEN® Nitrofuran (AOZ)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R3703</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Format</td>
<td>Microtiter plate with 96 wells (12 strips with 8 removable wells each)</td>
</tr>
<tr>
<td>Standard Range</td>
<td>0 ppt (zero standard), 25 ppt, 50 ppt, 100 ppt, 200 ppt, 400 ppt</td>
</tr>
<tr>
<td>Sample Preparation</td>
<td>homogenize (milk samples: precipitate), derivatize, extract, centrifuge, evaporate and deagrease</td>
</tr>
</tbody>
</table>

- **Variant I (short):**
  - Sample preparation part 1: approx. 1.5 h
  - Incubation: 3 h
  - Sample preparation part 2: ca. 1.5 h

- **Variant II (long):**
  - Sample preparation part 1: approx. 1.5 h
  - Incubation (over night): ca. 16 h
  - Sample preparation part 2: approx. 1.5 h

A detailed Application Note, describing an uniform sample preparation for shrimp with the ability to analyze the same sample extract in all 4 RIDASCREEN® Nitrofuran ELISA tests, is available on request.

<table>
<thead>
<tr>
<th>Incubation Time</th>
<th>1 h 15 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection Limit</td>
<td>Shrimps, fish, milk: approx. 50 ppt&lt;br&gt;Meat, liver, whole egg: approx. 100 ppt&lt;br&gt;(corresponding to the standard substance)</td>
</tr>
<tr>
<td>Cross Reactivity</td>
<td>AMOZ: &lt; 0.01 %&lt;br&gt;AHD: &lt; 0.01 %&lt;br&gt;SEM: &lt; 0.01 %</td>
</tr>
</tbody>
</table>

### RIDASCREEN® Nitrofuran (AMOZ)

<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R3711</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Format</td>
<td>Microtiter plate with 96 wells (12 strips with 8 removable wells each)</td>
</tr>
<tr>
<td>Standard Range</td>
<td>0 ppt (zero standard), 100 ppt, 300 ppt, 900 ppt, 2700 ppt, 8100 ppt</td>
</tr>
<tr>
<td>Sample Preparation</td>
<td>homogenize, derivatize, extract, centrifuge, evaporate and deagrease</td>
</tr>
</tbody>
</table>

A detailed Application Note, describing an uniform sample preparation for shrimp with the ability to analyze the same sample extract in all 4 RIDASCREEN® Nitrofuran ELISA tests, is available on request.

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<tr>
<th>Incubation Time</th>
<th>1 h 15 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detection Limit</td>
<td>Shrimps, meat, liver, fish, whole egg: approx. 200 ppt&lt;br&gt;(corresponding to the standard substance)</td>
</tr>
<tr>
<td>Cross Reactivity</td>
<td>AOZ: &lt; 0.05 %&lt;br&gt;AHD: &lt; 0.05 %&lt;br&gt;SEM: &lt; 0.05 %</td>
</tr>
</tbody>
</table>

### RIDASCREEN® Nitrofuran (AHD)
**Art. No.** R3713  
**Test Format** Microtiter plate with 96 wells (12 strips with 8 removable wells each)  
**Standard Range** 0 ppt (zero standard), 100 ppt, 300 ppt, 900 ppt, 2700 ppt, 8100 ppt  
**Sample Preparation** homogenization, derivatization, extraction, centrifugation, evaporation and defatting  
A detailed Application Note, describing an uniform sample preparation for shrimp with the ability to analyze the same sample extract in all 4 RIDASCREEN® Nitrofuran ELISA tests, is available on request.  
**Incubation Time** 1 h 15 min  
**Detection Limit** 200 ng/kg (ppt) in shrimps  
(corresponding to the standard substance)  
**Cross Reactivity** The specificity of the RIDASCREEN® Nitrofuran (AHD) test was established by analyzing the cross-reactivity to Nitrofuran parent compounds and metabolites in shrimps and in buffer system:  
- NP-AHD: 100 %  
- NP-AMOZ, NP-AOZ, NP-SEM: < 1 %  
- Nitrofurantoin: approx. 32 %  
- Furaltamid, Furazolidone, Nitrofurzone: < 2 %  
- AHD, AMOZ, AOZ, SEM: < 1 %

### RIDASCREEN® Nitrofuran (SEM)

| Art. No. | R3715  
|----------|----------  
| Test Format | Microtiter plate with 96 wells  
(12 strips with 8 removable wells each)  
| Standard Range | 0 ppt (zero standard), 100 ppt, 300 ppt, 900 ppt, 2700 ppt, 8100 ppt  
| Sample Preparation | homogenize, derivatize, extract, centrifuge, evaporate and degrease  
A detailed Application Note, describing an uniform sample preparation for shrimp with the ability to analyze the same sample extract in all 4 RIDASCREEN® Nitrofuran ELISA tests, is available on request.  
| Incubation Time | 1 h 15 min  
| Detection Limit | Shrimps, beef and pork: 300 ppt  
Fish: 360 ppt  
poultry: 400 ppt  
(corresponding to the standard substance)  

### RIDA® Nitrofuran (AOZ) Dotierlösung/Spiking Solution

| Art. No. | R3099  
|----------|----------  
| Test Format | Concentration: 0.1 μg/ml  
Volume: 1 ml  
Sulfamethoxypyridazine in buffer, ready to use  

### RIDA® Nitrofuran (AMOZ) Dotierlösung/Spiking Solution
<table>
<thead>
<tr>
<th>Art. No.</th>
<th>R3799</th>
</tr>
</thead>
</table>
| Test Format | Concentration: 20 ng/ml  
Volume: 1 ml  
AMOZ in methanol |

For more Information about Product Please contact Chakmartin International Ltd.

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