A Solution for Screening and Speciation of Raw and Processed Meat Products

High Sensitivity and Specificity

Confident ID of Species

Raw and Processed Matrices
Meet the Challenge of Speciation Testing

Consumers expect the meat which they eat is authentic and true to its species. Food manufacturers must be certain the meat used in their products is exact to its origin and not substituted for an economical alternative. Meat speciation is now an important test requirement of laboratories throughout the world. For your lab to deliver the right results, SCIEX has developed a robust, sensitive and high specificity solution to detect the presence of meat species at just 1% (w/w) in raw and complex processed food matrices.

Highly selectivity
SCIEXLabs identified all the key peptide markers of several species and created an end to end method which incorporates all the key MRM transitions you need to preform analysis. All conditions are pre-optimized so you can be up and running in a quick and timely manner.

Reduce false positive and false negative results
Enhanced selectivity in raw and processed meat products through peptide mass detection reduces false results due to cross reactivity or matrix effects. This reduces the risk of product recalls or harm to your brand.

Multi species capacity
Increase the scope of your analysis and potential growth of your operation by screening for 6 different meat species on the same LC-MS/MS set-up.

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### Assay Performance

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td># of meat species</td>
</tr>
<tr>
<td># of unique peptides per species</td>
</tr>
<tr>
<td># of unique MRM transactions per peptide</td>
</tr>
<tr>
<td>Screening LOD (%)</td>
</tr>
<tr>
<td>Amount of sample required</td>
</tr>
<tr>
<td>Sample matrix</td>
</tr>
<tr>
<td>Instruments</td>
</tr>
<tr>
<td>LC-MS/MS run time</td>
</tr>
</tbody>
</table>

### Assay Components

- **Sample Prep**
  - The innovative proprietary sample preparation protocol has been verified and tested for meat species in raw and processed meat products.

- **HPLC**
  - All the legwork has been done. Get the detailed, verified LC separation conditions and the MRM transitions for all relevant species peptides and upload the method in a few short steps.

- **Mass Spec**
  - Included is the software you need to quickly process large batches of samples to screen 6 species simultaneously.

- **Software**
  - A helping hand to get you started. A dedicated SCIEX Support team member will be available to answer questions, or submit your questions on the fly in our online community.

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Your Success is Our Success
We take it personally

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Our customer support organization has access to the latest product updates, software revisions, methods and repair procedures to make sure that you stay on top of your game.

When you have questions, we have answers.
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