



Inspect. Detect. Protect.

Combat food fraud with the first complete NGS workflow for meat, fish and plant species screening and identification

Combat food fraud and protect your brand

Identification of the species present in food, feed and ingredients is a critical step for proof of authenticity, verification of origin, traceability of raw materials, and quality control of handling and cleaning processes in food production lines.

The Thermo Scientific™ NGS Food Authenticity Workflow utilizes the Ion Torrent™ Next Generation Sequencing technology to enable an untargeted screening approach making it possible to identify meat, plant and fish species contained in a sample by comparison with an extensive DNA database.

Ready-to-use SGS All Species ID Food DNA Analyser Kits allow the amplification of meat, fish or plant DNA by PCR, thereby preparing the sample for NGS and automated data analysis with the SGS All Species ID Software.

Results are displayed as a list of any specific meat, plant and fish species present in the sample.

Simple: Ready-to-use kits include all necessary reagents and provide accurate and reliable results with any sample type, including complex and processed foods and ingredients

Rapid: Sample to results in under 24 hours for quick decisions

Flexible: Analyse multiple food or ingredient samples at once, through an exclusive marking system, where the DNA of each food product is individually identified with an exclusive barcoded DNA sequence

Supported: Our experienced technical team is ready to assist you through evaluation, training and day-to-day testing

Initiate testing you couldn't before with a fully supported, end-to-end NGS workflow

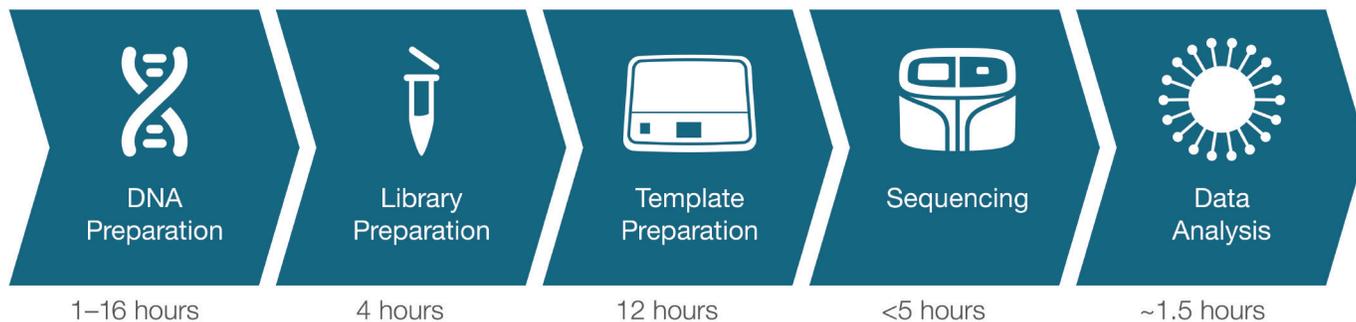


Figure 1. The Thermo Scientific Next Generation Food Authenticity (NGS) Workflow offers rapid, multi-species identification of meat, fish and plant species with minimal hands-on time required.

To find out more contact your regional Thermo Fisher Scientific Food Safety Specialist, or visit thermofisher.com/food-authenticity-ngs

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