



Comprehensive Meat Speciation Testing Solutions

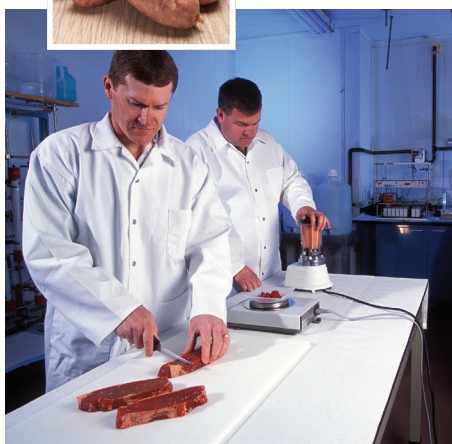


Neogen provides contract laboratory services and a wide range of market leading on-site test solutions for meat speciation which are used by many food industry laboratories and government food control agencies around the world. Additionally, Neogen is able to offer UKAS-accredited qualitative DNA based horse speciation analysis. Due to customer demands we have also introduced quantitative DNA detection for pig, cow, chicken, turkey, horse, sheep, goat and rabbit.

Contract Laboratory Speciation Analysis

Neogen offers expert, reliable contract laboratory services for meat speciation which are carried out by highly trained scientific analysts using sophisticated, state-of-the-art equipment.

- Flexible turnaround times
- Qualitative and quantitative analysis
- UKAS accredited for a range of tests
- Analysis of raw and cooked meat products and environmental swabs

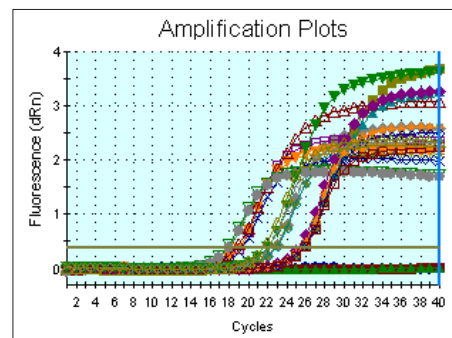


DNA Analysis

Qualitative PCR DNA Detection	
Chicken	Turkey
Sheep	Pig
Cow	Rabbit
Horse	Goat

Quantitative PCR DNA Detection*	
Chicken	Turkey
Sheep	Pig
Cow	Rabbit
Horse	Goat

*This is currently non-accredited but multi operator validation is in process. Please enquire for additional species.



Example of QPCR Amplification Plot

For further information or to place an order please contact



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F.A.S.T. Species Identification

Neogen's F.A.S.T. Species Identification Kits are simple qualitative tests designed to allow the detection of species content in uncooked meats and meat products with a limit of detection of 1%. The test kits require little equipment and all reagents are pre-dispensed. The F.A.S.T. kit offers the ideal solution for on-site testing. A qualitative determination of species content can be made by visual inspection or by using a spectrophotometer to measure the absorbance.

- Qualitative analysis
- Sensitive and highly specific – no known 'false' positives
- Ease-of-use
- Available as a single or mixed species kit – Cow, Horse, Pig, Poultry, Sheep

Each F.A.S.T. Kit consists of 5 single species test packs to give 25 tests per kit. Single or mixed species kits can be ordered in any combination of available species packs. For example, to order 5 kits choose any 25 single species test packs.



BioKits for Species Identification

BioKits for species identification are sandwich-based ELISA assays which provide sensitive and specific qualitative detection of a range of animal species.

- Popular qualitative format
- Sensitive and specific
- Cost effective
- Superior performance
- Widely used method



Raw Species Identification Kits

Allow for the detection of cow, pig, poultry, sheep and horse species in uncooked meat and meat products. Kits are available as mixed species for cow, pig, poultry and sheep or single species for horse detection.

Cooked Species Identification Kits

Allow for the detection of beef, pork, poultry and sheep in cooked or processed meat and meat products. Kits are available as single or mixed species.

DNA-Based Species Identification

Neogen's DNA-based tests provide a range of testing options for the qualitative detection of up to eight different species. The extraction procedure for these tests uses a proprietary magnetic bead technology that provides significant advantages over other methods of DNA extraction. Additionally the amplification is a single optimised protocol for all species.



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