



# Contract Laboratory Services

Speciation • Allergens

Mycotoxins • GMO

Marine Biotoxins • Norovirus

# CONTRACT LABORATORY SERVICES



If you are looking for a food safety testing partner, Neogen's contract laboratory service ticks all the boxes. Offering a varied range of accredited testing options with flexible turnaround times, we can assist you with the right testing plan to suit your needs.

A continual investment in new technologies ensures Neogen's range of testing addresses existing and emerging requirements. Whether you are looking to improve on the service from your current external laboratory, or if you have a new testing requirement that requires external expertise, we are here to help.

Ordering your tests and getting samples to Neogen is a quick and easy process. All results are confidential and services are subject to extensive quality control and regular quality assurance.

To view our full scope of accreditation please visit [www.neogeneurope.com](http://www.neogeneurope.com)

## Why choose Neogen?

- ✓ Wide range of testing
- ✓ Accredited laboratory
- ✓ Flexible turnaround
- ✓ Confidential results
- ✓ Dedicated customer service
- ✓ Leading provider of food safety testing

## Speciation Testing

Speciation testing is carried out using qualitative and quantitative PCR DNA-based techniques to identify a range of animal species in raw or cooked products across a wide variety of food and feed matrices.

### Range of Meat Speciation Testing:

Quantitative PCR DNA Analysis		Qualitative PCR DNA Analysis	
Chicken	Cow	Chicken	Cow
Goat	Horse	Goat	Horse
Pig	Rabbit	Pig	Rabbit
Sheep	Turkey	Sheep	Turkey

### Testing Timescales

Three Days

Five Days

Ten Days



Please contact us to find out more about our range of fish speciation testing



# Allergen Testing

Allergen testing is available for the analysis of a wide variety of food matrices, CIP rinse waters and environmental swabs using both ELISA and PCR methods. Our comprehensive range of products and services can help you to control and manage allergens within your manufacturing facility.

## Range of Allergen Testing:

Quantitative ELISA Analysis		Qualitative PCR Analysis
Almond	Egg	Celery
Gluten	Hazelnut	
Mustard	Peanut	
Sesame	Soya	
Crustacea	Walnut	
Total Milk / Casein / BLG	-	



Testing Timescales
Same Day Express*
Three Days
Five Days
Ten Days



## Environmental Swabbing Kit

We recommend that you contact a Neogen technical representative prior to performing environmental sampling to ensure the appropriate swabs are used for your testing needs.

# GMO Testing

We provide screening, identification, threshold and quantitative tests for the analysis of GMOs in food and animal feed. By using the latest PCR analysis techniques we can determine the presence or absence of specific genes found in GMOs.

GMO Varieties	Testing Timescales
Soy	Same Day Express*
Maize	
Canola	
Rice	
Potato	Five Days
Cotton	Ten Days



# Mycotoxin Testing

Competitive Direct Enzyme Linked Immunosorbent Assay (CD-ELISA) methods are available for a comprehensive range of sample matrices for the detection of mycotoxins.

## Range of Mycotoxin Testing:

Quantitative ELISA Analysis	Testing Timescales
Aflatoxin	Same Day Express*
DON	
Fumonisin	
Ochratoxin	
T-2 / HT-2	Three Days
Zearalenone	Five Days



## Marine Biotoxins

Neogen provides contract laboratory services for Amnesic Shellfish Poisoning (ASP), Diarrhetic Shellfish Poisoning (DSP) and Paralytic Shellfish Poisoning (PSP). Shellfish poisoning is caused by a group of toxins elaborated by planktonic algae (dinoflagellates, in most cases) upon which the shellfish feed. The toxins are accumulated and sometimes metabolised by the shellfish.



### Range of Marine Biotoxin Testing:

	Amnesic Shellfish Poisoning (ASP)	Diarrhetic Shellfish Poisoning (DSP)	Paralytic Shellfish Poisoning (PSP)
Toxin Measured	Domoic Acid, Epidomic Acid	Okadaic Acid, Dinophysis Toxins 1, 2, 3	Saxitoxin
Method	HPLC-PDA	LCMS-MS	ELISA
Minimum Level Of Toxin Detected And Quantified	4 mg/kg - 40 mg/kg	25 µg/kg - 400 µg/kg	100 µg/kg - 800 µg/kg
EU Maximum Limit In Shellfish Flesh	20 mg/kg shellfish flesh	OAs/DTXs/PTXs: 160 µg [OA eq.] /kg shellfish flesh	800 µg [STX eq.] /kg shellfish flesh



## Norovirus

Shellfish are amongst the food groups that are most often associated with Norovirus, which can account for up to 50% of all foodborne outbreaks of gastroenteritis. Neogen's contract laboratory is able to perform real time RT-PCR testing.

### Testing Timescales

Please contact us for Toxin and Norovirus testing timescales



## Sample Submission

Neogen require a sample submission form to be completed and new customers will be required to complete an account application form.

**\*Same Day Analysis:** Please Tel: 01292 525 627 or email [sameday@neogeneurope.com](mailto:sameday@neogeneurope.com) prior to submitting samples.

Samples should arrive before 10:30am to guarantee same day express.

For other testing timescales, samples should arrive before 10:30am for the date of sample receipt to be considered as day one of analysis.

**Sample Size:** Minimum sample weight is dictated by the type of tests required. Samples should be of sufficient number for the test to be representative of the batch they were sampled from. Shellfish samples must be delivered fresh on ice or frozen.

**Sample Address:** Contract Laboratory Services, The Dairy School, Auchincruive, Ayr, KA6 5HU, Scotland, UK

For further information regarding our UKAS accreditation or Technical Support please contact us below.



The Dairy School, Auchincruive, Ayr, KA6 5HU, Scotland, UK  
 Tel: +44 (0) 1292 525 627 • Fax: +44 (0) 1292 525 602  
[www.neogeneurope.com](http://www.neogeneurope.com) • E-mail: [labservice@neogeneurope.com](mailto:labservice@neogeneurope.com)