

# Testing

## Testing methods

Methods range from simple on-farm tests indicating the presence/absence of a specific mycotoxin, to officially-recognised and validated methods quantifying any levels present. For all methods prior extraction from a ground sample of grain is needed.

### Qualitative lateral flow dipstick methods

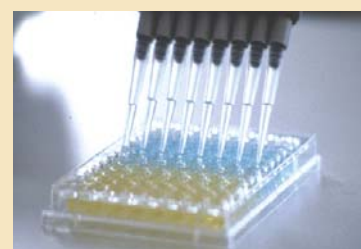
indicate the presence or absence of a specific mycotoxin above a set threshold. Presence, or absence, of a test band is interpreted by reference to the manufacturer's instructions.



**Quantitative assay methods** measure the concentration of a specific mycotoxin. Test kits are available in two formats:

**Quantitative lateral flow**, similar to the qualitative method, is suitable when a single determination is required, eg grain storage/intake (£6-8/test).

**Micro-titer plate ELISA** measures the intensity of colour produced by chemical reactions and is suitable for analysing multiple samples (£7-9/test).



### Confirmatory analysis

uses sophisticated, costly instruments operated by highly-skilled staff. Methods are validated according to (EC) No 401/2006 and conducted by laboratories with current UK Accreditation Service (UKAS) status (over £100/test).

**Testing records** should be kept for at least two years.



## Examples of DON test kits

Test supplier	Charm Sciences	Neogen Corporation	R-Biopharm Rhone	Romer Labs
Qualitative test	*Rosa® DON P/N	*Reveal® for DON	RIDA®QUICK DON	N/A
Quantitative test	Rosa® DON Quantitative	Veratox®5/5	RIDASCREEN® Fast DON	AgraQuant® DON
Contact details	<p>www.charm.com</p> <p>UK agent: Calibre Control International Ltd</p> <p>www.calibrecontrol.com</p> <p>Asher Court Lyncastle Way Appleton Warrington WA4 4ST</p> <p>Tel: 01925 860401</p> <p>info@calibrecontrol.com</p>	<p>www.neogeneurope.com</p> <p>Cunningham Building Auchincruive Ayr KA6 5HW</p> <p>Tel: 01292 525 275</p> <p>info@neogeneurope.com</p>	<p>www.r-biopharmrhone.com</p> <p>West of Scotland Science Park Unit 3.06 Kelvin Campus Glasgow G20 0SP</p> <p>Tel: 0141 945 2924</p> <p>info@r-biopharmrhone.com</p>	<p>www.romerlabs.com</p> <p>UK agent: Tepnel BioSystems Ltd</p> <p>www.tepnelbiosystems.com</p> <p>One Newtech Square Deeside Industrial Park Deeside Flintshire CH5 2NT</p> <p>Tel: 01244 280202</p> <p>info@tepnelbiosystems.com</p>

\* Semi-quantitative