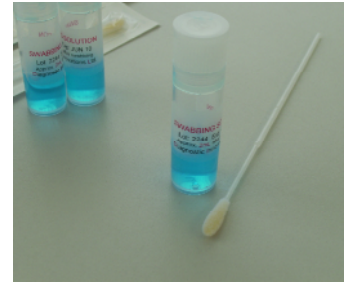


**Introduction:** Environmental monitoring of “key allergens”\* and other food contaminants is increasingly becoming a significant part of Allergen and other Control Plans within broader HACCP programmes in the food industry. Allergen testing in particular has been brought sharply into focus with the implementation of Directive 2003/89/EC in November 2004 and in the USA recent allergen labelling legislation (for more information, contact D.I.L.)



\* i.e. celery, cereals, crustacea, fish, egg, milk, mustard, peanut, sesame, soya, tree nuts “& products thereof”. In the USA list, celery, mustard and sesame are omitted.

The use of swabbing techniques can help validate and verify clean-down routines of raw materials suppliers, manufacturing facilities, analytical laboratories and catering establishments.

The **HAVen Environmental/Surface Swabbing kit (HAVen-ESS)** has been specially designed to make the process simple, effective and completely safe.

Each **HAVen-ESS** kit comprises pre-filled tubes of swabbing solution and individually pouched sterile, flocked nylon swabs. The swabbing solution contains a vivid blue dye to help visualise the swabbed area and facilitate cleaning afterwards. It also contains a non-toxic preservative, rather than e.g. mercury-containing thiomersal or highly reactive azides, both of which are highly toxic.

**How does the HAVen-ESS kit work?** Swabs are pre-wetted with the swabbing solution and then used to swab a representative area of surface, hard-to-reach location (e.g. within complex machinery), air sampling device etc. When the swab is replaced in the tube it can easily be snapped off and the tube capped securely. The proteins within the solution are stabilised for several days, even at elevated room temperatures. The solution (approx. 2mls) can then be used to carry out several e.g. trace allergen or animal species content determinations using one of the many commercially available ELISA/immunoassay test kits. To date the kits have been validated using at least seven different allergen detection/species testing kits from five different manufacturers. Testing can either be performed in your own laboratories, or, since the solution remains stable for several days even at elevated room temperature, the samples can be despatched by post to your chosen analytical service laboratory.

#### **HAVen-ESS Kits contain:**

- ✓ 24 or 48 individually pouched sterile “easy break” nylon flocked swabs.
- ✓ 24 or 48 pre-filled tubes of stabilising & preservative swabbing solution.
- ✓ Instructions For Use; swabbing Identification & Results Form.

#### **Features of the kits:**

- ⇒ Pre-filled swabbing solution
- ⇒ Blue dye added
- ⇒ NON-TOXIC preservative/stabiliser

#### **Benefits to you:**

- ✓ Accurate volume; less “hands-on” time
- ✓ Highly visible; aids removal
- ✓ No risk of food contamination

#### **Ordering details:**

<b>HAVen-ESS kit 1</b> (48 swab sets)	Cat. No. <b>A6008</b>
<b>HAVen-ESS kit 2</b> (24 swab sets)	Cat. No. <b>A6009</b>
<b>HAVen-ESS</b> swabbing solution (Bulk 25mL)	Cat. No. <b>A6022</b>

**DIL's Gluten Testing product range:**

**Gluten Swabbing/FlowThrough Tests – for rapid, on-site testing of gluten in swab samples**

<b>Swabbing/Gluten test kits (10 sets)</b>	Cat. No. <b>A6019</b>
<b>Swabbing/Gluten test kits ( 5 sets)</b>	Cat. No. <b>A6020</b>

**Gluten-Check Laboratory ELISAs:**

<b>Gluten-Check ELISA (48 wells)</b>	Cat. No. <b>R6005</b>
<b>Gluten-Check ELISA (96 wells)</b>	Cat. No. <b>R6006</b>
<b>Gluten-Check ELISA (192 wells)</b>	Cat. No. <b>R6007</b>

(\* High Sensitivity Assay; Limit Of Detection <0.75PPM; nominal range 5-100 or 10-200PPM gluten)

<b>Improved Gluten Extraction Kit (24 samples)</b>	Cat. No. <b>A6017</b>
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<b>Assayed QC Set (biscuit) (2 x 4g pots)</b>	Cat. No. <b>FGEKIT8</b>
<b>Assayed QC Set (bread) (2 x 4g pots)</b>	Cat. No. <b>FGEKIT9</b>

<b>Gluten AOAC ELISA (96 wells)</b>	Cat. No. <b>R6008</b>
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(\* "Skerritt" Method - AOAC Final Action 991.19 Protocol >160ppm)

<b>Gluten AOAC Extraction Kit (24 samples)</b>	Cat. No. <b>A6016</b>
<b>AOAC Tannin Additive Kit (23 samples + standard)</b>	Cat. No. <b>A6018</b>

Other **HAVen** kits include the GLUTEN FlowThrough™ rapid "on site" test and ELISAs for the detection of PPM levels of LUPIN, an emerging allergen clinically cross-reactive with peanut and FISH allergen.

**Elisa Systems (Australia) ALLERGEN Residue Detection Kits:**

**All these kits are 48-well Laboratory ELISAs**

Almond	Cat. No. <b>HESARD-48</b>
Buckwheat	Cat. No. <b>HESBRD-48</b>
βLG/Whey/Milk	Cat. No. <b>HESMRD-48</b>
Casein/Milk	Cat. No. <b>HESCASPRD-48</b>
Crustacean	Cat. No. <b>HESCRURD-48</b>
Egg	Cat. No. <b>HESERD-48</b>
Hazelnut	Cat. No. <b>HESHRD-48</b>
Peanut	Cat. No. <b>HESPRDT-48</b>
Sesame	Cat. No. <b>HESSESRD-48</b>
Soya	Cat. No. <b>HESSOYPRD-48</b>