



## Eurofins Technologies Seafood Test Kits

### Allergen Detection ELISA Kits and Lateral Flow Tests

Fishes, crustaceans and molluscs belong to the most frequent elicitors of food allergies. The allergic symptoms are ranging from inflammation of the skin over gastrointestinal and respiratory problems up to life-threatening anaphylactic shock. Cross-contamination, mostly in consequence of the production process, is often noticed.

The **SENSISpec Fish, Crustaceans and Molluscs ELISA kits** represent a highly sensitive detection system for seafood allergens in a diversity of processed food.

**Lateral flow tests** offered for the qualitative detection of fish and shellfish allergenic proteins in solid and liquid foods as well as on working surfaces.

### Detection of Histamine

High histamine concentration in fish indicate bacterial degradation, and toxic reactions are likely after the consumption of food with high level of this compound. The concentration of histamine formed depends on the the bacterial species, temperature and exposure time.

With our **Histamine ELISA kit** and **Histamine lateral flow test**, the presence of histamine can be rapidly detected in fish and fish meal.

### Veterinary Drug Residues

The most important aquaculture producers are located in South-East Asia. Compounds as antibiotics and other veterinary drugs play a key role in aquaculture to cure and to prevent diseases, however their residues in food can be dangerous for human health.

The **ELISA screening kits for VDR detection in fish and fish meal** determine the concentration of these compounds, or detect substances which should not be present at all.

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## SENSISpec ELISA Seafood Allergen Test Kits

**Fish (Parvalbumin):** detection of the trans-species low-molecular, calcium-binding muscle protein allergen parvalbumin. The kit is capable of the quantification of fish residues in wine, soups, sauces, crackers, surimi and similar products.

**Crustaceans (Tropomyosin):** detection of crustacean residues (tropomyosin, from *Penaeus indicus*) in fish products, soups, dressings, bakery products and meat products.

**Molluscs (Tropomyosin):** detection system for tropomyosin (from *Helix aspersa*), particularly capable of the quantification of molluscs residues in fish products, soups, dressings, bakery products and meat products.

## ELISA Kits 96 | 48 wells

Article Number	Item Description	LOD (ppb)	Quantitation range
HU0030006   96 wells HU0030030   48 wells	SENSISpec ELISA Crustaceans (Tropomyosin)	0.9	20 - 400 ppb
HU0030008   96wells HU0030032   48 wells	SENSISpec ELISA Fish (Parvalbumin)	1400	4 - 100 ppm
HU0030015   96 wells HU0030039   48 wells	SENSISpec ELISA Molluscs (Tropomyosin)	1.7	10 - 400 ppb

## Rapid test kits – lateral flow strips

Lateral flow tests offered for the qualitative detection of fish and shellfish allergenic proteins in solid and liquid foods as well as on working surfaces.

Article Number	Item Description	LOQ (ppm) Finished product	LOQ (ppm) Surface
AL063	EPIStrip Crustaceans	1	0.2
AL067	EPIStrip Fish	1	0.2

## Histamine screening in fish

- ELISA kit: detection of histamine in fish, cheese and wine.
- Lateral flow assay: semi-quantitative analysis of histamine in fish (fresh, frozen, canned, salted and in oil) and fish meal.

Article Number	Item Description	Sensitivity	Incubation time
HU0030200   96 wells HU0030201   96 wells	SENSISpec ELISA Histamine SENSISpec ELISA Histamine Rapid	2 ng/ml 0.3 - 0.7 ppm	80 min (30/30/20 min) 17 min incl. derivatization

  

Article Number	Item	Description	LOQ (ppm)
CI015	Histamine Card v2 24 determinations	Semiquantitative lateral flow device	50

## Veterinary drug residues in seafood

The following substances can be detected quantitatively with our ELISA kits:

- Tetracyclines
- Chloramphenicol
- Quinolones
- Nitrofurans (AMAZ, AOZ, AHD, SEM)
- Sulfonamides
- Malachite Green

Order our Seafood kits online! [www.eurofins-technologies.com](http://www.eurofins-technologies.com)