

AlerTox® ELISA

Specifically for Wine

Highly specific and sensitive **ELISA Sandwich** kits for quantitative determination of allergens **in wine**

- » **AlerTox•ELISA** Ovalbumin
- » **AlerTox•ELISA** Lysozyme
- » **AlerTox•ELISA** Casein
- » Specifically for wine analysis
- » ELISA Sandwich (96 wells)
- » Validated for any kind of wine matrices (rosé, white, and red wines)
- » Conforms with O.I.V. Requirements (International Organization of Vine and Wine)



	Recovery Rate	Target Protein	Detection Limit (LOD)	Quantification Limit (LOQ)	Quantification Range
AlerTox ELISA Ovalbumin KIT3045 (KT-5759)	93% - 102%	Ovalbumin (Egg white)	5 ppb	25 ppb	25 ppb - 500 ppb
AlerTox ELISA Lysozyme KIT3044 (KT-5757)	91% - 110%	Lysozyme (Egg white)	2 ppb	25 ppb	25 ppb - 250 ppb
AlerTox ELISA Casein KIT3043 (KT-5761)	80% - 102%	Casein (Milk)	0.05 ppm	0.20 ppm	0.20 ppm - 5 ppm

Shelf Life: 12 months from date of production

Allergens Detection in Wine

Wine Manufacturing

In the wine manufacturing process, casein and egg albumin are frequently used as fining agent proteins for the production of white, red, and rosé wines. For this reason, wines fined with casein, caseinate, milk products, or their derivatives may trigger adverse reactions in sensitive individuals. As a result, allergen labeling of wines became compulsory in June 2012.

The European Regulation 1266/2010 (EC) establishes that all wines, placed on the European market or labeled after 30 June 2012, shall comply with the labeling rules.

Commission Implementing Regulation (EU) No 579/2012 of 29 June 2012 amending Regulation (EC) No 607/2009 laid down detailed rules establishing the requirement to indicate any potentially allergenic ingredient on the labelling of beverages containing more than 1.2 % by volume of alcohol, and especially egg-based or milk-based products used in making wines.



O.I.V. Conformity:

According to the O.I.V (International Organization of Vine and Wine) OIV-COMEX 502-2012 the limit of detection (LOD) and limit of quantification (LOQ) of ELISA test kits for potentially allergenic residues of fining agent proteins in wine must meet the following requirements:

LOD ≤ 0.25 ppm and LOQ ≤ 0.5 ppm.

AlerTox ELISA test kits fulfill, the requirements of this intergovernmental organization for the detection of ovalbumin, lysozyme, and casein residues in wine.

Product Name	Ordering No.	Reference No.	Quantity
AlerTox ELISA Ovalbumin	KIT3045	KT-5759	96
AlerTox ELISA Lysozyme	KIT3044	KT-5757	96
AlerTox ELISA Casein	KIT3043	KT-5761	96