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The Proteomic &
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Ovalbumin ELISA kits

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Albumin from chicken (ovalbumin) is the main protein found in egg white making up 60-65% of the total protein. Ovalbumin is a very important protein in different research areas such as immunology, where it is used for stimulating an allergic reaction. It is also considered as a simulant agent. Ovalbumin is a major allergen which can be found in food but also in vaccines as a residue. These assay kits are intended for the detection and quantification of ovalbumin in biological fluids, such as to control the rate of ovalbumin in a vaccine.

Principle:

It is an immunoenzymatic one-step assay, simultaneous incubation of samples and anti-ovalbumin HRP conjugate. This assay is run at room temperature (18-25°C).

Plastic strips coated with anti-ovalbumin antibodies bind the soluble ovalbumin contained in the sample to be tested. The bound ovalbumin is revealed by means of a second anti-ovalbumin antibody labeled peroxidase which settles on the free antigenic determinants. After a washing step which eliminates unbound components, HRP substrate (TMB) is added to each well. A colour is developed by the enzymatic reaction of HRP on the substrate, which is directly proportional to the amount of ovalbumin present in the sample. The reaction is stopped by adding sulfuric acid to the wells. Absorbance can thus be measured at 450 nm and at 620 nm for the reference. Concentration of ovalbumin in samples and control is calculated from a calibration curve of standards.

Application:	- Enzyme-Linked Immuno Sorbent Assay (ELISA) kit for detection and quantification of soluble ovalbumin. Assay done in one step and at room temperature.
Advantages:	- Strips format: use of the kit in one or several times. 4 standard curves can be done independently, - Assay up to 40 samples when samples, standards and control are run in duplicate, - Results of assay in 1H30, - Standard curve from 0 to 30 ng/mL, - A positive control with known concentration is included in the kit, - Limit of detection ≤ 2 ng/mL, - Different kits are available depending of ovalbumin type (degree of purity): <ul style="list-style-type: none"> ➢ Ovalbumin (native) ELISA kit, ➢ Ovalbumin (grade III) ELISA kit, ➢ Ovalbumin (grade VI) ELISA kit, - Kits stables 12 months at 2-8°C.
Packaging:	- 1 plastic strips holder, - 4 zip lock bags containing each: <ul style="list-style-type: none"> ➢ 3 8-well strips coated with anti-ovalbumin antibodies, ➢ 1 stock solution of ovalbumin (S4 solution) to be reconstituted, ➢ 1 positive control to be reconstituted, ➢ 1 HRP-labelled polyclonal anti-ovalbumin antibodies to be reconstituted, - 1 solution of tetramethylbenzidine (TMB), HRP substrate (Ref: ABGB-TMB), - 1 sample buffer (Ref: TD), - 1 wash buffer (10X) (Ref: TL), - 1 instruction manual, - 1 certificate of analysis.

NB: Stop solution (acid sulfuric 1N) is not included in the kit.

➢ Before use, all reagents must be kept during 30 minutes at room temperature (18-25°C).

If you wish more information about Ovalbumin ELISA kits, do not hesitate to contact our Sales representatives.

Cf. General terms of sale.

