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Agro-Bio has developed affinity purification protocols optimized at time, in quality and quantity of obtained molecules.

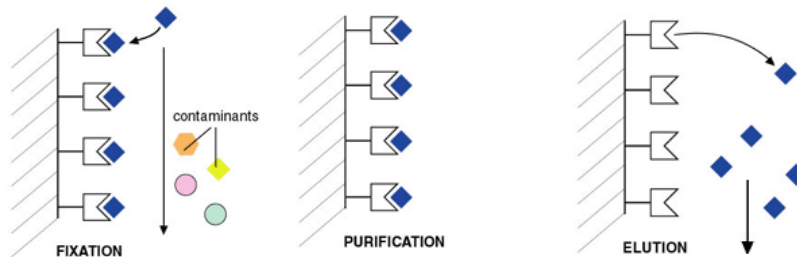
Principle:

The immobile phase is typically a gel matrix, often of agarose. A ligand, which presents a biological affinity for a substance of the sample to be analyzed, is linked on this stationary phase.

Various types of affinities are used:

- Ligand-receptor affinity
- Antigen-antibody affinity

Frequently, the linked molecule will be the ligand (antigen), or the antibody. This will allow purifying respectively the receptor (antibody of interest) or the antigen.



Volume:	Volume of purification from 5 mL to x litres
Objective:	Affinity purification allows to isolate the antibodies of interest thanks to the antigen which was used for the immunization, or to purify antigens of interest thanks to specific antibodies.
Principle:	Molecules serving as ligand are linked to a gel activable by chemical functions. The choice of the gel depends on activable functions of the molecule to be linked, of the availability and the accessibility of these functions
Interests of the method:	- Simple and fast technique to be set up. - This purification allows isolating specifically molecules of interest. - Elimination of the background noise due to the not specific bindings.
Purified quantities:	5 mL minimum of serum are required to proceed to a purification of affinity. We obtain from 0.01 to 0.5 mg from IgG by mL of serum. The yields vary according to the species and to the type of used antigen.

The results of this service are summarized in a certificate of analysis specifying the conditions of purifications, the purified volume, as well as the obtained quantity.

The activated chromatographic support used for the purification is sent with the purified molecules.

If you wish more information on a technique of particular purification, do not hesitate to contact our Sales representatives.

Are included in our protocols:

- The coupling of the ligand in the gel of purification,
- The control of purity of antibodies by electrophoresis 1D,
- The standard packaging of the purified antibodies.

Are not included in our protocols:

- Postal charges.

Cf. General terms of sale.

