



AGRO-BIO
The Proteomic &
Immune Response

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Protocol for the production of sheep polyclonal antibodies

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Agro-Bio has developed a time-optimized immunization protocol, yielding quality antibodies, needing low amounts of antigen for the production of sheep polyclonal antibodies.

Our 77-day standard protocol allows a production after 5 injections of antigen of 200 mL of sheep antiserum (per sheep).

Species:	Sheep
Antigens:	Peptides, proteins, bacteria, virus or any other inactivated or nontoxic organism whose antigenicity and immunogenicity have been demonstrated. Concentration advised > 1 mg / mL or 2. 10 ⁸ CFU/mL
Antigen quantities:	AGRO-BIO uses for a protocol 77 days: - 5 mg by sheep - 20.10 ⁸ CFU or PFU by sheep.
Injections:	The first injection is carried out by intradermal route in FCA whereas the booster injections are made by subcutaneous injection in incomplete Freund's adjuvant.

Immunization protocol

Day	0	14	28	42	56	63	77
Injection	1 st	2 nd	3 rd	4 th		5 th	
Volume of serum	Pre-immune ⁽¹⁾ 5-10 mL				80-100 mL		80-100 mL

⁽¹⁾ Pre-immune serum enable to determine whether the animals have naturally occurring antibodies that can recognize non-specifically the antigen of interest.

Within two weeks following the dispatch of your order, you will receive a provisional timetable listing the various stages of your service.

Included in our protocol:

- The purchase of animals, the quarantine period and transfer to experimentation,
- The guard of animals during the protocol,
- The injections and withdrawals of animals,
- The 10-day guard while awaiting your decision on the fate of animals,
- The sacrifice of animals without recovery of serum.

Not included in our protocol:

- The charges,
- The guard of animals for a period exceeding 10 days (you have 10 days starting from last collection reception date to inform us of your decision to continue or not your protocol. After this deadline and in the absence of response from you, we are forced to sacrifice your animals),
- Withdrawals of end protocol (2 withdrawals at 1 week interval corresponding to « exsanguination »).

Cf. General terms of sale

