

Rabbit polyclonal antibody production program information

Address: University of California, Davis
School of Veterinary Medicine
CPL/LAHC
One Shields Ave.
Old Davis Road, Bldg. R-1
Davis, California

The UC Davis Animal Resources Antibody Service offers polyclonal antibody production in rabbits as a service to all investigators. The advantages are the use of an approved IACUC antibody producing protocol, the use of standardized procedures and methods, and the reduction in costs associated with animal care.

Costs

Cost of rabbit = \$ 85.00
First month = \$ 160.00
(includes cost of rabbit and antibody service)
Each additional month = \$ 75.00 per rabbit or \$ 2.50/day

Rats = \$ 34.00
\$ 1.67 / day care

Prices may have increased, please call for information!!!

Cost includes:

Purchase of rabbit, housing, veterinary health care, quarantine, Freund's adjuvant, injection supplies.

Standard service provides:

Two antigen administrations and two blood collections (**not exceeding 50 ml per month and no more than 40 ml at one time**), and serum separation.

*Please request charge sheet for any additional charges or costs for goats, guinea pigs, chickens, mice, and rats.

Immunizations

Listed below is a sample schedule of immunizations that has been successfully used to begin antibody production in rabbits. However, no attempt to produce antibodies has a guaranteed outcome, therefore we would be happy to consult with you should you desire

assistance in establishing a different schedule. Antigens will be injected subcutaneously (SQ) since most antigens elicit a strong antibody response when administered via this route. Complete Freund's adjuvant will be used only in the initial injection and incomplete Freund's adjuvant used in subsequent injections. The submitter may also request the use of an adjuvant other than Freund's. If the submitter does not supply the "other adjuvant", the CPL staff may be able to order it for an additional cost.

Blood sampling

All blood collections will be performed with the use of a sedative-analgesic by the CPL/LAHC staff. After each blood collection, by request, the serum plasma will be separated and stored in either the ARS freezer or refrigerator, and will be ready for pick up the day after the scheduled bleed. Same day pick-ups need to be arranged with lab in advance. Investigators will be notified by e-mail, phone, or fax, when their samples are ready for pick up.

NO MORE THEN 50 ML OF BLOOD WILL BE COLLECTED IN ONE MONTH.

Exsanguinations

Terminal blood collection (exsanguination) by cardiac puncture will be performed at the investigator's request. Please give at least **one week** notice prior to scheduling exsanguinations. Typical blood volume collected is approximately 90-120 ml of blood and therefore, 45-60 ml of serum.

Sample schedule

Day1	~Day14	~Day28	~Day42 at 2 week intervals
Pre-bleed (10 ml) First Immunization (SQ several sites)	Second Immunization (SQ several sites)	Test bleed (10 ml) Third Immunization (SQ several sites)	Test bleed (10 ml) Immunization

Schedule information

- Timing of subsequent antigen boosts and bleedings will be at the preference of the investigator.
- It is the responsibility of the investigator to set-up monthly schedules for their rabbits.

