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, Freunds 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 Freunds adjuvant will be used only in the initial injection and incomplete Freunds adjuvant used in subsequent injections. The submitter may also request the use of an adjuvant other then Freunds. 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)		Test bleed (10 ml)	Test bleed (10 ml)
First Immunization	Second	Third Immunization	Immunization
(SQ several sites)	Immunization (SQ	(SQ several sites)	
	several sites)		

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.

- Work orders/requests for antigen injections, collection of blood samples, need to be placed at least 48 hours in advance.
- Terminal blood collections (exsanguinations) need one week advance notice.
- Antigen drop off at the CPL lab should preferably be the day before injection, or at least by 9:00 am same day of injection.
- Aliquots of the antigen can be frozen and stored at the CPL for your convenience.

Additional charges

• These are infrequent and will not apply to most projects. Charge sheet available on request.

Information we need to begin

- The number of rabbits needed to begin your project (allow 3 weeks from order date)
- Specify male/female or either sex if no preference
- Investigators name
- Department
- · Contact person
- Recharge #
- Phone #
- Information on your antigen will be required before 1st injection
- Phone # (530) 752-2832 Fax # (530) 754-9159
- E-mail: suewillard@ucdavis.edu (e-mail used for information/questions only)
- Please call in to schedule bleeding and injections