

CUSTOM HYBRIDOMA DEVELOPMENT AND MONOCLONAL ANTIBODY PRODUCTION

PHASE A. Immunization of Balb/c Mice and Serum Screening (approximately 6-8 weeks)

(This phase requires the completion of our Protocol Review Form for The Production of Hybridomas & Monoclonal Antibodies)

Eight mice are immunized with antigen(s) provided by customer. Antigen conjugation and purification services are available for an additional charge. At day 35, and later if necessary, mice are test bled and screened for titer by ELISA. If no acceptable response is found during this phase, \$1,625 will be retained for services up to this point and the remaining balance of deposit will be refunded.

PHASE B. Fusion and Screening of Hybridoma Supernatant (approximately an additional 8-10 weeks)

Upon successful completion of Phase A, selected mice (two) will be euthanized and the spleens harvested. A fusion procedure will be performed and the cells distributed into six or eight multiwell plates (96 well) per spleen. Screening will be performed by ELISA using previously supplied antigen. Hybridoma lines from up to ten wells with the highest absorbency by ELISA will be amplified and the supernatants supplied to the investigator. If after the first fusion attempt no acceptable development is observed, a second fusion attempt will be made utilizing previously immunized mice remaining from Phase A. At this point if there is still no response, you the PI or PRF&L has the option to terminate, the charge for completion of Phases A and B will be a total of \$5,125.

PHASE C. Cloning (approximately an additional 6-8 weeks totaling about 20-26 weeks)

One to five of the ten previously developed parental hybridomas will be selected, cloned and then screened by ELISA. Clones with desired titer and specificity will be expanded and cryopreserved. Up to five clones (two subclones for each parental hybridoma line) will be provided and delivered to the customer depending on the stability of chosen hybridomas.

Total completion cost for phases A, B, & C is \$ 7,850 per antigen.

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PHASE D. Custom Monoclonal Antibody Production by In Vitro Methods

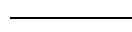
PRF&L is able to produce monoclonal antibodies from either PRF&L developed cell lines or customer provided cell lines.

Yield of approximately 50 to 200mg per batch (yield is dependent on cell line)

The customer's cell line is amplified using three liter tissue culture polyethylene bags. Monoclonal antibodies are isolated using a protein G column. Available only for IgG producing lines. - **\$1,500**

Other protocols are available and the success with a certain protocol is dependent on the cell line.

Please consult with our technical staff prior to starting an in vitro project.



Initial Cell Culture Charge (only if lines are supplied to us frozen)

Culture / Expand frozen lines and assess quality prior to ascites or in vitro production \$350 / Line

Amplification and Cryopreservation (10 vials @ 1 - 2 million cells / vial / storage for 1 year) . \$450 / Line

Cryopreservation (if we developed line) \$150 / Line / Year

Mycoplasma Testing

One or first line \$ 375.00

Each additional line to be tested at the same time \$ 175.00 each

(PRF&L)
Pocono Rabbit Farm & Laboratory, Inc.

**Hybridoma Development
Terms & Conditions**

1. The prices and information contained is based on the development of hybridomas to a single antigen that will be supplied by the PI.
2. If necessary, additional proprietary and confidentiality statements will be supplied to you upon signing.
3. A prepayment of **\$3,925.00** (50% of the completion costs through Phase C) is requested along with a valid purchase order or credit card number authorized with appropriate funds to complete any additional work and shipping costs. Subsequent terms will be net 30 days upon receipt of any successfully developed clones or antibodies developed in this project. These items shall be accompanied by a detailed invoice for your records.
4. All shipping costs will F.O.B. our facilities via Fed-Ex Priority Overnight Service.

Project / Antigen Name: _____

Contact person(s) _____ or _____

Phone _____ Fax _____ E-mail _____

Accepted by : _____ - *(please print)*

Title : _____

Signature : _____

Date : _____

Purchase Order # _____

Billing address: _____

Shipping address: _____

(PRF&L)
Pocono Rabbit Farm & Laboratory, Inc.
Hybridoma Development

WARRANTY FOR HYBRIDOMA DEVELOPMENT SERVICES

Pocono Rabbit Farm & Laboratory Inc. (PRF&L) agrees to do their best to develop (2-10) hybridomas thus attempting to deliver two (2) subclones from each of the one to five (1-5) parental hybridomas that we developed in order to produce monoclonal antibodies against the antigen named

_____ provided by _____. Certain antigen forms may present unique problems that may effect the process by which the clones are ultimately developed. Thus, PRF&L cannot hereby insure or warrant the development of clones which are monospecific (as contamination of antigen may produce nonspecific antibodies). PRF&L will warrant that the clones shall be pure clones of a single hybridoma and that the antibodies which they may produce will be reactive by conventional ELISA testing to the above mentioned antigen. I, the PI here by also agree to provide PRF&L with an antigen preparation of the highest possibility purity and in sufficient quantities to successfully carry out the development of the cell line.

PROPRIETARY CONCERNS

Pocono Rabbit Farm & Laboratory Inc. (PRF&L) will hold any and all information pertaining to and supplied by the PI and the company or institution represented by the PI in the strictest of confidence and only shall be used for the benefit of the PI. Likewise, the PI shall keep all proprietary information and agreements with PRF&L in the strictest confidence.

I have read and understand the above warranty and proprietary concerns.

Signature: _____ - Principal Investigator

Date: _____