

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

POLYCLONAL RABBIT ANTIBODY PRODUCTION ORDER FORM

Please provide the following information. One antigen per form.
See Appendix A for pricing.

CONTACT / SHIPPING INFORMATION

Company / Institution		
QED Bioscience Quote # (if applicable)		
Contact		
Address		
City, State, Zip Code		
Phone	Fax	Email

BILLING INFORMATION

Company / Institution		
Attention		
PO Number or Credit Card (Name on card, account number, expiration date, security code)		
Address		
City, State, Zip Code		
Phone	Fax	Email

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

IMMUNIZATION REQUIREMENTS

Number of Rabbits: _____ Standard protocol = 2 rabbits Requires 4mg antigen for immunizations and 1-2mg antigen for testing antiserum.	<input type="checkbox"/> Standard Protocol <input type="checkbox"/> Custom Protocol	Please attach custom protocols.
--	--	---------------------------------

ANTIGEN INFORMATION

Antigen Name: _____ <input type="checkbox"/> Peptide % peptide purity : _____ <input type="checkbox"/> Protein Protein molecular weight _____ <input type="checkbox"/> Plasmid <input type="checkbox"/> Other _____
Antigen Format: <input type="checkbox"/> Liquid <input type="checkbox"/> Dry/Lyophilized <input type="checkbox"/> Frozen Buffer antigen is in: _____ Concentration _____ Volume: _____ ml Dry _____ mg Antigen Storage: <input type="checkbox"/> +4°C <input type="checkbox"/> -20°C <input type="checkbox"/> -80°C Number of Vials Shipped: _____
NOTE: QED cannot accept antigens that are pathogenic, toxic, radioactive, and/or carcinogenic.

CONJUGATION OF ANTIGEN

Is Antigen conjugated to a carrier? <input type="checkbox"/> Yes <input type="checkbox"/> No What Carrier? _____ QED recommends that peptides and small haptens are conjugated to KLH for immunization and to BSA for testing.
If Antigen is not conjugated, is it required? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> KLH <input type="checkbox"/> BSA <input type="checkbox"/> Other: _____ For peptides conjugate at: <input type="checkbox"/> N-terminus <input type="checkbox"/> C-terminus

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

ANALYSIS REQUIREMENTS

Do you want ELISA titration of serum?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Test all sera at project end?	<input type="checkbox"/> Yes	<input type="checkbox"/> No or;
Test sera after each bleed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

(No charge if all sera are tested at project end; \$300.00 for testing after each bleed)

PURIFICATION / ADDITIONAL PROCESSING

Add 0.1% sodium azide to unpurified antiserum?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

Would you like antiserum purified?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
------------------------------------	------------------------------	-----------------------------

Volume to purify _____ml

Method of Purification:

☐ Protein G ☐ Protein A ☐ Affinity* ☐ Custom protocol attached

*Additional 10mg of antigen required for Affinity Purification

Add 0.1% sodium azide to purified antibody?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

Add 50% glycerol to purified antibody?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

Do you have a preference for final delivery buffer (default PBS pH 7.4)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

Custom buffer _____

Do you have a preference for final concentration of purified antibody?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

_____ mg/ml

All purified antibody is 0.2um-filtered prior to packaging.

CONJUGATION OF PURIFIED ANTIBODY

Do you want your purified polyclonal antibody conjugated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

☐ HRP ☐ AP ☐ Biotin ☐ FITC

Quantity to be conjugated: _____

Please request a separate quote for antibody conjugation.

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

PACKAGING

Final Packaging: ☐ Bulk aliquot ☐ Multiple aliquots Aliquot size: _____
(\$5.00 per vial)

Remaining Antigen (if any): ☐ Return with final shipment ☐ Discard ☐ Retain (6 months)

Preferred shipping conditions:

☐ Ice Packs ☐ Dry Ice * ☐ Other _____
*Additional charges apply

SHIPPING

Shipping Schedule:

☐ End of Project ☐ After Each Bleed / Collection ☐ Other _____

☐ UPS ☐ FEDEX CLIENT Account Number _____ or;

☐ Prepay and add to invoice

☐ Standard ☐ Priority (additional charges apply)

ADDITIONAL INSTRUCTIONS:

Email completed form to info@qedbio.com

or

Fax completed form to 858-592-1509

Ship all materials with a copy of this form to:

QED Bioscience Inc.

Attn: Rabbit Antibody Production Order

10919 Technology Place, Suite C

San Diego, California 92127 USA

**Please inform QED if you require a Material Transfer Agreement (MTA)
to be executed prior to shipping your materials.**

QED can provide a MTA, or Client can provide their institution's MTA.

Thank you.

10919 Technology Place Suite C
800-929-2114 / 858-675-2405

San Diego, CA 92127
Fax 858-592-1509

info@qedbio.com
www.qedbio.com

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

POLYCLONAL RABBIT ANTIBODY PRODUCTION Terms and Conditions

Antigens

CLIENT shall supply to QED free of cost all required quantities of antigen, assay protocols (if applicable) and any non-conventional assay reagents for use by QED in generating and screening antibodies produced therefrom for CLIENT. Antigen(s) shall be supplied ready to be injected without further purification. In the case of synthetic peptide antigens, CLIENT may contract with QED to have peptides synthesized and conjugated to appropriate protein carriers or configured as Multiple Antigenic Peptides (MAPs). Such materials shall be deemed confidential, not to be disclosed or used for the benefit of any third party or for QED's own benefit other than as contemplated hereunder.

QED cannot accept antigens that are pathogenic, toxic, radioactive, and/or carcinogenic.

Conjugation of antigen(s) to a protein carrier if needed for the purpose of immunization may be performed by QED for an additional charge.

Any material or information provided to QED by CLIENT that is not in the public domain shall be considered proprietary and confidential and shall not be disclosed or provided to any third party without written authorization from CLIENT.

Protocol

A standard rabbit protocol shall include two (2) rabbits per antigen. CLIENT shall have the option of adding additional rabbits to the protocol for an additional charge. QED will use its in-house immunization protocol for rabbits (provided to CLIENT upon receipt of order) unless CLIENT provides an alternate protocol which must be approved by QED's IACUC. QED shall provide quality animal care, but in the event that an animal expires prior to project completion, a pro rata reduction in project prices shall be applied.

Modifications to the immunization protocol may be made during the course of the project per CLIENT's instructions but can result in changes in prices.

Serum shall be collected from one (1) pre-immunization bleed and four (4) post-immunization production bleeds per rabbit. If requested, serum antibody titers shall be determined by ELISA using antigen(s) provided by CLIENT and shall be reported to CLIENT in a timely manner. ELISA titrations are performed on all immune sera at project completion or can be done after each blood collection for an additional charge (see Appendix A).

Pre-immunization bleeds average 5ml serum per rabbit. Production bleeds average 20-25ml serum per bleed per rabbit. Serum samples shall be provided to CLIENT per CLIENT's instructions to QED.

Results shall be based on reasonable best efforts.

Reports

QED shall provide periodic written or oral reports as the contracted work proceeds. A final report at the end of the project shall also be provided which shall include a summary of the work performed.

Payment

CLIENT shall receive an invoice for each project following the first immunization, and an invoice for any additional charges, if applicable, at the end of the project. Payment terms are net 30 days. See Appendix A for prices.

Ownership

All antigens provided by CLIENT and purified and/or unpurified polyclonal antibodies resulting from the efforts of QED and funded by CLIENT shall be the sole and exclusive property of CLIENT. All ideas, inventions, and discoveries, whether patentable or not, resulting from the application of the polyclonal antibodies produced under the guidelines of this contract by CLIENT shall be the sole and exclusive property of CLIENT.

Agreement

The undersigned agrees to these Terms and Conditions:

Company / Institution

Name (please print)

Signature

Title

Date

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

APPENDIX A

RABBIT POLYCLONAL ANTIBODY DEVELOPMENT PRICING

STANDARD PROTOCOL (Two Rabbits)

\$825.00

Includes husbandry for 60 days, pre-immunization bleeds, 4 immunizations, 4 production bleeds, ELISA titration of antiserum at project end, and project termination.

ADDITIONAL ITEMS

Per diem board and care after 60 days	\$ 2.00/day/rabbit
Additional production bleeds (20-25ml serum)	\$20.00/procedure/rabbit
Additional test bleeds (avg. 7-10ml serum)	\$15.00/procedure/rabbit
Additional immunizations	\$18.00/procedure/rabbit
Exsanguination	\$50.00/rabbit
Antigen conjugation to KLH or BSA	Please inquire
Custom ELISA development	\$1,750.00/assay
Additional ELISA assays	\$120.00/plate
Protein G or A purification of antiserum	\$300.00/1-25ml of serum \$12.00/ml >25ml of serum
Affinity purification of antiserum	
Affinity column-small (requires 10mg antigen)	\$600.00/column
Affinity column-large (requires 40mg antigen)	\$1,000.00/column
Purification	\$300.00/1-25ml of serum \$12.50/ml >25ml of serum

Discount schedule:

No. of Rabbits	Discount off list price
2-20	0
21-50	5%
51-100	10%
101-200	15%
>200	Will Quote

Discounts may be applied to a single order for multiple projects, or in a cumulative fashion. If applied in a cumulative fashion, the number of animals ordered in a calendar year will be used to determine the discount level.