

Select-Line Services

Monoclonal Antibody Development

- Cost Effective
- cGMP/GLP Compliant

- Ascites
- Roller Bottles

- Bioreactors
- Culture Bags

Select-Line Ascites

- Ascites production employs Balb/C mice, with ascites fluid collected and pooled at the end of the project. Each mouse yields approximately 2-5 ml ascites. Alternate strains of mouse may be used, but may incur an additional charge.
- Upon request, total IgG concentration (mg/ml) of the final ascites pool can be determined by ELISA. (Note: Antigen must be supplied by client for this service.)
- Prices (see Pricing Schedule below) include husbandry of mice for up to 35 days, with 1 injection of cells and up to 3 taps.

(Note: AAALAC regulatory guidelines require written assurance that the proposed laboratory animal use is scientifically justified and that in vitro or other methods have been evaluated and found unsuitable.)

Select-Line Roller Bottles

- Roller bottles are a cost-effective alternative to large-scale antibody production using murine ascites. Lot sizes of 1-10 g of antibody are easily attained as average cell lines produce approximately 20-50 mg/liter of roller bottle culture.
- Production time is approximately 4-6 weeks.
- Prices (see Pricing Schedule below) include the use of Lampire's standard medium; a medium of your choice may be substituted, but may incur an additional charge.

Select-Line Bioreactors

Bioreactor formats include hollow fiber, stirred tank, and microcarrier systems.

- Hollow fiber systems are ideal for non-adherent cell lines and work well with most cell lines tested. Production volumes of up to 300 mg per day are possible and the system can be used to grow and harvest cells and cell products other than antibody.
- Stirred tank systems are useful for both adherent and non-adherent cell lines and are capable of producing 1-3 g antibody per week.
- Microcarrier systems employ packed and fluidized bed techniques to increase the surface area for cell attachment in stirred tank bioreactors. Production volumes of 500-1000 mg per day are possible.

Select-Line Cell Culture Bags

- This tissue culture technique employs gas-permeable, 1-liter culture bags to yield large volumes of antibody without the use of bioreactors. An average cell line produces 50-100 mg/liter of culture.

Pricing Schedule

Cell Line Expansion	Per Cell Line	\$150
Ascites	1-10 Mice	\$45 per mouse
	11-50 Mice	\$42 per mouse
	51-100 Mice	\$40 per mouse
	>100 Mice	Please Inquire
Roller Bottles	Per Liter	\$250
Bioreactors		Please Inquire
Cell Culture Bags	Per Liter	\$250 (per Liter)

Additional Services

- Cell Line Optimization
- Adaptation to Serum-Free Media
- Antigen Conjugation to KLH or BSA
- Antibody Purification
- Antibody Isotyping
- ELISA Screening
- Cell Bank Storage

Lampire's **Select-Line Services** are cost-effective solutions for small- or large-scale antibody production. Performed at our Biotech Facility in Pipersville, PA, a variety of culture formats are available and include murine Ascites, roller bottles, bioreactors, and a proprietary membrane technology which yields particularly large volumes of antibody in tissue culture.

Try our **Discovery-Line Services** for high quality hybridoma antibody development and characterization.

For more information visit us on the web at www.lampire.com.

To get your project underway, call us at **215.795.2838** or email us at lampire@lampire.com

For complete product and services offering, to place an order, or for more information visit us at www.lampire.com, call us at **215.795.2838** or send an e-mail to lampire@lampire.com



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